

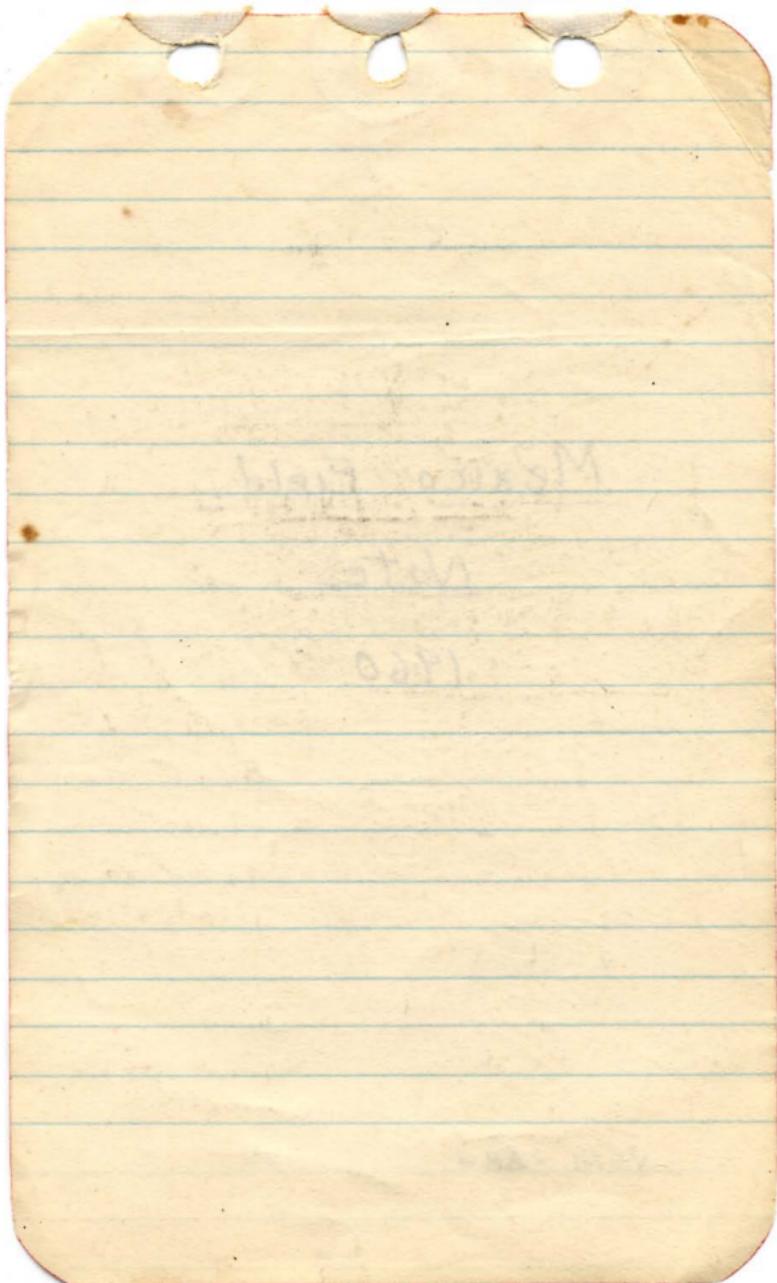
**Robert F. Andrle**  
**Field Notes**  
**1960 Mexico Trip**

Mexico Field

Notes

1960

VSM - 58 -



# Mexican Trip

March 1, 1960 Tues. to Delaware, Ohio

cold, snow flurries, partly cloudy  
wind SW 0-5 mph., some haze, most  
roads mostly clear

Horned Larks - scattered - Tree Sparrows

Snow Buntings - small flock

1 Hairy Woodpecker D Red-tailed H. 3

3 Robins - 1st near Cincinnati Red-sh. H. 1

Crows - scattered Meadowlark 1

Sparrow Hawks 3-5 Cardinal 2

Starlings - scattered - House Sparrows

March 2, 1960 Wed  $20^{\circ}$ - $30^{\circ}$  + Delaware  
snow & snow flurries, slush & icy Ohio  
snow on some roads to  
Guthrie, Ky.

Black Vultures 16 Goshen, Ky

3 Mockingbird (1) (15 mi. NE Louisville)

Robins - several

E. Meadowlark - 15-20 Bluebird 1

later in day - snow, slush, poor

	trucks gathering on hills driving conditions (also due to negligence of other drivers)
1 Rough-legged Hawk	
10 Mourning Dove	Sparrow Hawk 2
Tree Sparrow	Starling
100+ T. Titmouse	House Sparrow
Cardinal several	3 Grackles
2 Red-w. Bl.	Marsh Hawk 3
Horned Larks 30	Turkey Vulture 1
3 Coopers Hawk 1 pc.	
1 Downy Woodpecker	1 Red-e. Tody
95 L. C. Juncos	1 Flicker 1 Shrike
5 Red-t. Hawks	Crow 125
1 Killdeer	Bluejay 2
March 3, 1960 Thurs	Gull 1, Ky. to Vicksburg, Miss
Cloudy 26° ice on vegetation	
snow flurried	road & slippery
trucks stalled, cars off highway	
15 mi. north Vicksburg - first Sparrow	
(cypresses)	more
ice disappeared about Cleveland, Miss.	
2 Horned Grebe	- Ky. Lake

birds most numerous and fairly  
well scattered after Paris, Tenn.

8 Mallard	(Ky. Lake)	Black Duck 15
16 Godwells	✓	Am. Widgeon 6
10 Pintail		Shoveler 3
1 Redhead	✓	Ring-necked Duck 2
1 s. c. r. g. -		Col. Golden-eye 2
1 Hooded Merg.	✓	Turkey Vulture 1
1 Block V.	0	Red-t. Hawk 6
3 Red-sh. Hawk		Marsa Hawk 4
15 Sparrow Hawk		Killdeer 7
9 Herring Gull		1000 Ring-b. Gull
70 Mourning Dove		Robin 100
3 Flicker		Red-b. Wdch. 1
20 Horned Lark		Blue Jay 10
35 Crow		1+ Carolina Wren
20 Mockingbird		20Loggerhead Shrike
Starling <sup>sev. thousand</sup> many		
700+ House Sparrow		90 E. Meadowlark
<sup>(30)</sup> 25 Red-w. Blbd.		2 Rusty Blbd.
1 C. Grackle	Isowls	Isowls
85 Cardinal		Am. Goldfinch 9+
15 Red-e. Towhee		10 S. L. Bl. Juncos
6+ Song Sparrow		1 Short-e. Owl

March 4, 1960 Friday

Vicksburg, Miss.  
to Houston, Tex.

clear, fair temp - 30° → 50°  
frost wind NW 5-8 mph  
thin cypress swamps, pinelands,  
ice still over & edging ponds &  
ditches. - many <sup>to beyond affordance</sup> Cardinals,  
Shrikes, Grackles, Redwings.  
first palmettos - Alexandria, La.  
planted palms

2 Great Blue Heron	3 B. Kingfisher
4 Comm. Egret	8 Flicker
15 T. Vulture	7 Red-b. Wdpkr.
10 B. Vulture	1 Hairy Wood.
9 Red-t. Hawk	1 Phoebe
6 Red-nd. Hawk	1 Purple Martin
20 Marsh Hawk	3 Tree Swallows?
30 Sparrow Hawk	25 Blue Jay
10 Killdeer	50 Crows <sup>Black Crows also</sup>
50 Ring-b. Gull	2 Carolina Chickadee
50 Morning Dove	8 T. Titmouse
1 dead Barred Owl DOR	2 Brown-h. Nuthatch
1 dead Sh. r. Owl DOR	8 Carolina Wren

3

35 Mockingbird	6 Purple Finch
5 Brown Thrasher	30 A. Goldfinch
20 Robin	10 R.-e. Towhee
1 Hermit Thr.	5 Lark Sparrow
20 E. Bluebird	20nd, 2. of Houston Twp.
2 G.-cr. Kinglet	35 Wh.-tar. S.p.
2 R.-cr. Kinglet	sev. dead
175 Logg. Shrike (actual count)	Opossums, Raccoons
2000 Starling	
1 Sol. Vireo	
15 Myrtle W.	Fox Squirrels
1+ Palm Warbler	in various places
4 Pine Warbler	
300 House Sparrow	
150 E. Meadowlark	
4000 Red-w. Bbs.	
70+ Boat-t. Grackle	
28,000 Com. Grackle	
2000 Br.-h. Cowbird	
55 Brewer's Bb.	
120 Cardinal (actual count)	

March 5, 1960 Sat. Houston, Tex.  
to (1) Galveston

45°-60° cloudy Wind 5-8 mph NE

occasional drizzle (Rt. 35)

much road + bridge construction  
more clearing for farms - destruction  
of native vegetation.

Large oak woods, mesquite.

1 Coyote - 15 mi. NE Port Lavaca, Tex.  
among cows

2 Corn. Loon	375 Canada Geese
4 Eared Grebe	170 Snow Goose
4 Pied-b. Grebe	25 Blue Goose
1 Least Grebe	15 mi. NNE Rockport Rt. 35
6 White Pelican	10 Mottled Duck
1 Brown Pelican	10 Gadwall
25 Olivaceous Cormorant	200 A. Wigeon
35 Great Blue Heron	100 Pintail
10 Corn. Egret	7 Bl.-w. Teal
3 Snowy Egret	100 Gr.-w. Teal
1 Reddish Egret	6 Cinnamon Teal
3 Louisiana Heron	80 Shoveler
50 Glossy Ibis	

25 Redhead	1 Sol. Sandpiper
15 Ring-n. Grouse	3 Willet
1 Gtr. Scaup	10 Gtr. Yellowlegs
400 For. Scaup	9 For. Yellowlegs
4 A. Golden-eye	3 Least Sandp.
2 Ruddy Duck	20 L.-b. Dowitcher
390 F. Vulture	150 Western S.
20 B. Vulture	6 Marbled Godwit
4 Red-t. Hawk	
1 Red-s. Hawk	
5 Harris' Hawk	
5 S. Wh.-t. Hawk	
60 Mearns' K.	
54 Sparrow Hawk	
51 Wild Turkey	50 Herring Gull
40 Am. Coot	150 Ring-b. Gull
5 Semip. Plover	25 Laughing Gull
30 Killdeer	4 Forster's Tern
7 Bl.-b. Plover	on crossbars on 40' high tension poles 25-30 mi. N of Raymondville at dike (roosting) (max. 6 on one pole) (Ring Ranch) also 6 on wire!
1 R. Turnstone	1 Royal Tern
3 C. Snipe	12 Caspian Tern
10 L.-b. Curlew	80 Mour. Dove

1 Ground Dove	1200 Brewer's Black.
2 Inca Dove	Boat-t. Grackle
1 Gr. H. Owl	300 C. Grackle
2 Parrot	1500 Br.-h. Cowbird
9 B. Kingfisher	3 Cardinal
1 Pileated Flybr.	8 A. Goldfinch
18 Phoebe	3 Savanna Sp.
4 Horned Lark	25 Lark Sparrow
4 Tree Swallow	1 Chipping Sparrow
4 P. Martin	
1 Blue Jay	
15 Crow sp.	
30 Mockingbird	
75 Water Pigeon	
70 Fog. Shrike	
1200 Starling	
12 Myrtle W.	
300 House Sparrow	
130 E. Meadowlark	
1 W. Meadowlark	
2500 Red-w. Bll.	

March 6, 1960 Sun,

warm, humid, mostly cloudy

62°, showers

2 Eared Grebe

4 Pied-b. Grebe

9 White Pelican

15 Oliveaceous Corm.

50 Gr. Blue Heron

10 Com. Egret

60 Reddish Egret

7 Louisiana Heron

2 Little Blue Heron

150 White-gr. Goose

60 Snow Goose

10 Blue Goose

15 Mottled Duck

3 Gadwall

10 Am. Widgeon

20 Pintail

6 Gr.-w. Teal

1 Bl.-w. Teal

4 Shoveler

Harlingen, Tex.

to

Laguna Atascosa

calm

to SW 5-15

170000 Redhead

125 Canvasback

15 For. Scamp

2 Bufflehead

175 Ruddy Duck

6 Red-Bl. Merg.

white phase in Laguna  
muds

20 T. Vulture

30 B. Vulture

1 Sharp-sh. Hawk

1 White-t. Hawk

14 Harris Hawk

8 Marsh Hawk

1 And. Caracara

20 Sparrow Hawk

21 Bobwhite 5 grps.

49 Sandhill Crane

300 A. Coot

5 Snowy Plover

1 Semip. Plover	2 Royal Tern
14 Killdeer	15 Caspian Tern
55 Bl.-b. Plover	25 Mourning Dove
1 Ruddy Turnstone	3 Ground Dove
80 Long-b. Curlew	4 Inca Dove
1 Spotted Sandp.	3 Road-runner
15 Willet	12 Golden-fronted
10 Gr. Yellowlegs	2 Ladder-tb. Wrens
2 Lst. Yellowlegs	1 E. Phoebe
4 Pectoral Sandp.	1 Tree Swallow
12 Least Sandp.	3 Green Jay
9 Dunlin	5 Cactus Wren
40 L.-b. Dowitcher	90 Mockingbird
75 Western Sandp.	12 Curve-b. Thrasher
1 Marbled Godwit	10 Robin
3 Sanderling	1 Bl.-gr. Gnatcatcher
16 Avocet	15 Water Pipit
3+ Herring Gull	goos. 1 Sprague's Pipit
20 Ring-b. Gull	45 Loggerhead Shrike
9 Laughing Gull	2 Wh.-e. Vireo
15 Gull-b. Tern	2 Orange-cr. Warbler
5 Forster's Tern	30 Myrtle Warbler

1 Coyote in trap (front foot)  
 6 " on refuge", took photos

1 Yellowthroat  
 60 House Sparrow  
 70 C. Meadowlark  
 35 Brewer's Black  
 200 Boat-t. Grackle

2 Cardinal  
 2 ♀ Pyrrhuloxia  
 32 Fork Bunting  
 30 Savannah Sp.

1 Vesper Sparrow

Mon.

March 7, 1969 62°<sup>7</sup> Harsligen  
Cloudy, mild N 3 mph. 60° SE 15 mph. To  
cultivation, palms. Matamoros  
30 mi. To Brownsville + south to C. Victoria  
cultivated around Matamoros thatched  
then wild country - mesquite adobe huts  
huisache, yucca, agave, mesquites tall rocks  
2 Corn. Egret 2 White-t. Kite  
1 Snowy Egret 1 White-t. Hawk  
10 Black Vultures 1 Gray Hawk  
800 T. Vulture <sup>great</sup> migration 1 Cooper's Hawk  
forage

sev. Coyotes  
howling +  
yipping 4 PM

1+ Clay-wd. Sp. - 010-15  
4+ Wh. Thr. Sparrow  
more

Timed Red-t. Pigeon at 53 mph  
against wind

1 Red-t. Hawk	45 Mockingbird
1 Swainson's Hawk	1 Am. Robin
30 Bay-winged Hawk	18 Cedar Waxwing
50 Marsh Hawk	15Loggerhead Shrike
2 Crested Caracara	6 Myrtle Warbler
15 Sparrow Hawk	40 Brown-h. Cowbird
16 Bobwhite	275 Boat-t. Grackle
1 Gtr. Yellowlegs	1400 Red-w. Bbl.
1 Long-bi. Curlew	50 Brewer's Bbl.
43 Red-bell Pigeon	3 E. Meadowlark
15 Mourning Dove	2 Cardinal
1 B. Kingfisher	55 Pyrrhuloxia
2 Golden-p. Woodpecker	45 House Sparrow
1 Ladder-b. Wpcker	45 Am. Goldfinch
9 E. Phoebe	1 Lark Bunting
28 Vermilion Flyc.	30 Savannah Sp.
1 Tropical Kingbird	1 Vesper Sp.
2 White-n. Poor	5 Lark Sp.
100 Fish Crow	2 Cassin's Sp.
1 Cactus Wren	6 Bl.-thr. Sp.
3 Curve-bi. Thrasher	1 Chipping Sp.

March 8, 1960 Tues. C. Victoria  
 clear, fair 57°<sup>7</sup> to A. Morelos,  
 foggy in mts. El Salto,  
 hot in lowlands Valle, SLP  
 palm forests, mesquite, yucca  
 sugar cane, sisal.

1 Olivaceous Cormorant	1 Squirrel Cuckoo
1 Corn. Egret	1 Groove-b. Ani
250 Bl. Vulture	5 Golden-gr. Wdpkr.
35 T. Vulture	3 Lesser-bl. Wdpkr.
1 Wh.-t. Kite	3 Masked Tityra
2 Roadside Hawk	12 E. Phoebe
4 Gray Hawk	15 Vermilion Flyc.
1 Marsh Hawk	30 Tropical Kingb.
18 Cr. Caracara	2 Boat-b. Flyc.
12 Sp. Hawk	4 Vermil-cr. Flyc.
6 Plain Chachalaca	2 Gr. Kiskadee
35 Red-b. Pigeon	2 Brown-cr. Flyc.
10 Inca Dove	1 Greater Pewee
9 Ground Dove	30 Rough-w. Swallow
20 Mourning Dove	3 Tree Swallow

200	Fish Crow	1 Br.-h. Cowbird
55	Wh.-n. Raven	375 Boat-t. Grackle
30	Pl.-t. Bronzey	60 Brewer's Bbr.
	House Wren	6 Bl.-thr. Oriole
50	Mockingbird	5 Hooded Oriole
5	Robin	6 E. Meadowlark
2	Hermit Thrush	3 Scrub Euphonia
6	Bl.-gr. Graterobin	4 Yellow-thr. Euph.
1	Ruby-cr. Kinglet	5 Cardinal
10	Loggerhead Shr.	35 Pyrrhuloxia
28	Cedar Waxwings	1 Indigo Bunting
1	Bl.-wh. Warbler	10 Yellow-g. Grosbeak
2	Orange-cr. Warbler	45 Wh.-coll. Seedeater
1	Trop. Parula W.	20 Dark-b. Grosbeak
6	Myrtle W.	2. Oliver Sparrow
3	Bl.-thr. Green W.	1 Lark Bunting
1	Ia. Waterthrush	20 Lark Sparrow
1	Yellowthroat	2 Cassin Sparrow
1	Wilson's Warbler	20 Chipping Sp.
5	House Sp.	1 Clay-col. Sp.
3	Bronzed Cowbird	2. Yell. n. Sparrow
		1 Lincoln's Sp.

March 9, 1960 Wed. C. Valles

868°↗

fair to misty +  
cloudy in mtns.  
to fair + clear  
later.

4 Least Grebe  
3 Pied-b. Grebe  
2 Ol. Cormorant  
1 Gr. Blue Heron  
2 Am. Widgeon  
1 Bl.-w. Teal  
120 Bl. Vulture  
40 T. Vulture  
1 Wh-r. Hawk  
1 Gray Hawk  
4 Rockside Hawk  
1 Marsh Hawk  
1 Falcon, Peregr.  
3 Sparrow Hawk  
3 Pl. Chachalaca  
15 Red-b. Pigeon  
1 Wh.-w. Dove

Xilitla -  
Tamoaya Dale -  
Jacala

8 Inca Dove  
5 C. Ground Dove  
1 White-tipped Dove  
6 Red-cr. Parrot  
4 Red-lord Parrot  
21 vivid. parrots  
1 Squirrel Cuckoo  
19 G. Dove-f. and  
6 White-collard Swift  
13 Fork-tailed Emerald  
2 Green Kingfisher  
3 Blue-cr. Motmot  
1 Bronze-w. Wdpbr.  
8 Golden-f. Wdpbr.  
2 Rose-thr. Bucard  
3 Masked Titya  
1 E. Phoebe  
7 Vermilion Flyc.

2 Trop. Parula W.  
 20 Tropical Kingbird  
 1 Boot-b. Flyc.  
 40 Vermilion Flyc.  
 4 Gr. Kiskadee  
 1 Br.-cr. Flyc.  
 3 Cinnamon. Sav.  
 35 Bl.-t. Br. Jay  
 4 Green Jay  
 1 Gray-br. Jay  
 20 Fish Crow  
 6 Spot-br. Wren  
 1 House Wren?  
 10 Mockingbird  
 1 Am. Robin  
 4 Br.-br. Solitairi  
 10 Bl.-gr. Gnatcatcher  
 7 Fog. Shrike  
 2 Solitary Vireo  
 1 Bl.-fr. Warbler  
 4 Nashville W.  
 1 Orange-cr. W.

1+ Audubon's Warbl.  
 1 Bl.-thr. Gr. W.  
 4 Wilson's Warbler  
 1 Yellowthroat  
 4 Rufous-cap. Warbl.  
 10 House Sparrow  
 2 Bronzed Cowbird  
 3 Brown-br. Cowbird  
 75 Boat-t. Grackle  
 20 Brewer's Blb.  
 15 Melodious Blb.  
 3+ Baltimore Oriole  
 1 Orchard Oriole  
 8 Bl.-headed Oriole  
 10+ Bl.-thr. Oriole  
 2+ Hooded Oriole  
 1 Yellow-fl. Cuckoo  
 25 Bl.-h. Saltator  
 1 Graysa Saltator  
 7 Cardinals  
 1 Rose-br. Grosbeak

3 Bl.-head. Grosbeak  
 15 Indigo Buntings  
 2 Painted Buntings  
 1 Wh.-coll. Seedeater

Chipping Sp. 7

March 10, 1960 Thurs, Jacala, Hgo.  
 fair, clear - ptg. clg. to  
 desert - pine - oak - tropical Pachuca -  
 6 Least Grebe to Villa Juarez  
 25 Pied-b. Grebe 2 Parague  
 2 For. Scamp 1 White Thro. Swift  
 1 Ruddy Duck 12 vireo. hummlg.  
 250 mid. ducks 5 Golden-gr. Wldgr.  
 10 Black Vulture 2 Harry Wldgr.  
 35 T. Vulture 2 Acorn Wldgr.  
 7 Sparrow Hawk 1 E. Phoebe  
 2 Killdeer 2 Say's Phoebe  
 1 Red-t. Pigeon 30 Vermilion Flgs.  
 8 Inca Doves 10 Tropical Kingbird  
 1 Cinn. Ground Dove 3 Verm.-cr. Flyc.  
 6 Mourning Dove 1 Ash-thr. Flyc.

20 Ruby-cr. Kinglet

3 Rough-w. Swallow

2 Barn Swallow

20 Tree Swallow

1 Mangrove Sw.

4 Violet-gr. Sw.

2 Wh.-n. Raven

7 Gray-bre. Jay

1 Steller Jay

2 Bridled Titmouse

3 Cactus Wren

4 Bewick Wren

1 Br.-thr. Wren

2 Rock Wren

1 Cañon Wren

8 Mockingbird

2 Am. Robin

7 Clay-col. Robin

1 Br.-b. Solitaire

2 Phainopepla

10Logger. Shrike

1 Solitary Vireo

7000'  
dry, bush  
desert

1 Bell's Vireo

1 Bl. + wh. Warbler

3 Orange-cr. Warbler

2 Olive Warbler

12 Myrtle Warbler

2 Townsend's W.

2 Hermit Warbler

1 Palm Warbler

5 ~~W. Song W.~~

1 Slate-thr. Warbler

1 Golden-brown W.

4 Rufous-cyg. W.

10 House Sp.

4 Bl.-head. Oriole

4 Hepatic Tan.

2 Blue Grosbeak

8 Bl.-head. Siskin

25 House Finch

2 Red-eyed Tanager

6 Brown Thrush

12 Savannah Sp.

7 Vesper Sp.

20 Yellow-e. Junco | 1 Bl.-chinned Sp.  
 40 Chipping Sp. 2 Lincoln's Sp.

March 11, 1960 Frid. Villagarcia.

57° F 6:30 to

Sun, clear, - hazy. Teguion  
 tropical, showers later - Norte

2 Least Grebe	2 Corn. Black Hawk
1 Magn. Frigate-Bird	3 Marsh Hawk
1 Little Blue Heron	2 1 Sparrow Hawk
2 Corn. Egret	25 Am. Coot
3 Snowy Egret	15 Jacana
1 Am. Bittern	3 Ruddy Gr.-Hawk
2 Blue-w. Teal	3 White Tipped Dove
10 For. Scamp	9 Green Parakeet
1000 Bl. Vulture	1 Groove-B. Ori
75 T. Vulture	1 owl OOR mottled? woodpecker
1 Wh.-t. Kite	30 mid. human,
1 Wh.-t. Hawk	1 mid <sup>2</sup> Tropic
1 Roadside Hawk	4 Blue-cr. Motmot
2 Gray Hawk	1 Golden-lim. Wg.

1 Golden-qr. Wdpbr.	1 Myrtle Warbler
1 Masked Titya	1 Bl.-thr. Gr. W.
1 E. Phoebe	2 Wilson's W.
1 Scissor-t. Flyc.	5 Golden-cr. Warbler
25 Tropical Kingb.	1 Rufous-cap. W.
25 Verm.-cr. Flyc.	30 House Sp.
3 Gr. Kiskadee	60 Brown-h. Cowbird
2 Brown-cr. Flyc.	1000 Boat-t. Grackl
2 Purple Martin	12 Melodious Blb.
700 Tree Swallow <small>many flocke flying N in pm</small>	1 Bl.-thr. Oriole
1 Greenjay	3 Bl.-head. Oriole
30 Bl-t. (Brown) Jay	2+ Red-w. Blb.
5 Spot-br. Wren	1 E. Meadowlark
1 Mockingbird	3 Corn. Bush-Tanzer
8 Clay-cr. Robin	20 Bl.-h. Saltatsh
1 Bl.-gr. Grate.	3 Yellow-g. Grass.
6 Ruby-cr. Kinglet	5 Wh.-coll. Seedeater
6 Flyc. Shrike	1 Wh.-naped Brush-Finch
1 Solitary Vireo	1 Collared Towhee
	1 Lincoln Sparrow

March 12, 1960 Sat.

Transition

cloudy, foggy, rain

to

Note cool

Jalapa

to

2 Oliv. Cormorant

25 mi. NW

200 Bl. Vulture

Veracruz

15 T. Vulture

(Paso de Ovejas)

2 Roadside Hawk

1 Gr. Kiskadee

1 Gray Hawk

1 Dusky-c. Flyc.

31 Sparrow Hawk

1 Gtr. Pewee

2 Cr. Caracaras

5 Rough-w. Swallow

10 Inca Dove

4 Horned Lark

1 Green Parrot

17 Brown Jay

1 Squirrel Cuckoo

2 of which were <sup>white</sup> sp.

500 White-coll. Swift

3 Rufous-ned Wren

1 Violet Sabre-wing

2 Spotted Wren

20 mid. Hummers

House Wren sp.?

2 Golden-f. Wren

1 Brown-thr. Wren

1 Black Phoebe

2 Mockingbird

10 Tropical Kingbird

1 Hermit Thrush

2 Boat-b. Flyc.

1 Veery

12 Verm-cr. Flyc.

4 E. Bluebird

15 Herring Gulls	2 Royal Tern
	1 Caspian Tern
4 Pigeon - <del>•</del> Teocelo - 1.4 miles north (Puente de Tabolo)	
4 Ruby-cr. Kinglet	20 House Sparrow
4 Bl.-gr. Grackle	2 Brewer Blackbird
3 Long. Shrike	5 Melodious Llb.
2 R. br. Peacock	3 Bl.-headed Oriole
2 Solitary Vireo	3 Bl.-thr. Oriole
2 Bl. + Wh. Warbler	2 C. Meadowlark
1 Orange-cr. W.	1 Yellow-w. Tanager
1 Nashville W.	3 Bl.-h. Saltator
1 Olive Warbler	8 Blue Grosbeak
2 Yellow Warbler	2 Indigo Bunting
1 Magnolia W.	7 Varied Bunting
1 Myrtle W.	2 House Finch
1 Townsend W.	8 Wh.-coll. Seedeater
1 Bl.-thr. Gr. W.	15 Blue-black Grosbeak
4 Hermit W.	1 Bl.-head. Siskin
1 Yellowthroat	25 Siskin sp.?
1 Yellow-br. Chat	1 R.-cog. Brush-Finch
2 Slate-thr. Redstart	4 Brown Towhee
1 Red Warbler	6 Striped Sparrow
3 Wilson's W.	30 <sup>+</sup> Yellow-l. Junco
20 Br.-h. Cowbird	2 Chipping Sp.
200 Boat-t. Gr.	3 Lincoln, Sp.

March 13, 1960 Sun. to Posada  
Ovejito Cabanaco

cool, clover,	NE-E wind 5-15
20 Least Grebe	1/2 Cr. Caracara
5 Pied-b. Grebe	52.5 Sparrow Hawk 1 und. Falkn. Opolomo?
1 Brown Pelican	2 Com. Bobwhite
15 Oliv. Cormorant	1 Limpkin
7 Mag. Frigat.-Bird	5 Com. Gallinule ✓
25 Green Heron	130 Amer. Jacana
12 Little Bl. Heron	5 Bl.-n. Stilt
30 Com. Egret	7 Killdeer
40 Snowy Egret	3 Long-bi. Curlew dark eye ♂ 2.4 m. wof C. Lardo
1 Cattle Egret	3 Lar. yellowlegs
4 Louisiana Heron	1 Solitary Song.
10 Bl.-cr. N. Heron	3 Spotted S.
700 Bl. Vulture	7 Sanderling
175 T. Vulture	10 Herring Gull
2 Wh.-t. Kite	100 Laughing Gull
8 Snail Kite	18 Gull-b. Tern ✓
20 Roadside H.	15 Caspian Tern ✓
1 Gray Hawk	100 Royal Tern
1 Bl.-collared H.	
1 Laughing Falcon	

25 Inca Dove	15 Rough-rw. Swallow
5 C. Ground Dove	40 Tree Swallow
2 R. "	1 Mangrove Sw.
3 Wh.-t. Gr. Dove	Bl. & Brown Jay 25
25 Ground-D. Ori.	
<u>1 Lesser Nighthawk</u>	Hotel Playa Aguila <sup>L. latera</sup>
2 Taurazze	6 C. Mockingbird
150 small swifts	6 Logg. Shrike
10 small hummer	1 Trop. Parula W.
1 Banded Kingbird	3 Yellow W.
4 Belted Kingb.	1 Yellowthroat
1 Amazon Kingb.	1 Yellow-b. Chat
9 Golden-qr. Warfr.	1 Mont. Oriole
7 Ladder-b. Warfr.	25 Bronzed Cowbr.
8 Vermilion Flyc.	400 Boat-t. Gr.
75 Fork-t. Flyc.	20 Melod. Bbl.
20 Trop. Kingbird	3 Orchard Oriole
1 Boat-b. Flyc.	4 Bl.-br. Oriole
8 Verm.-or. Flyc.	10 Red-w. Bbl.
35 Gr. Kiskadee	8 C. Meadowlark
1 Gr.-br. Martin	1 Blue-gray Tanager

13

12 Indigo Bunting  
 2 Yellow-w. Tan. 2 Wh.-coll. Seedeater  
 1 Grayish Salt. 25 Blue-bl. Grosbeak  
 7 C. Cardinal 2 Grasshopper S. ✓  
 2 Blue Grosbeak 3 Lark S. p. ✓  
 2 Lincoln S. p. ✓

March 14, 1960 Mon. Catemaco to <sup>to</sup> ~~W. Amate~~  
 cool, cloudy, AM "Norte" end. <sup>to</sup> ~~coy.~~  
 N-NE wind 5 m.p.h., later <sup>red</sup>  
 clearing, fair

12 Least Grebe	15+ Pl. Chachalaca
8 Oliv. Cormorant	3 Amer. Coot
4 Green Heron	10 Red-bi. Pigeon
10 Snowy Egret	2 Inca Dove
100 Lsr. Scamp ✓	1 Ruddy Ground-Dove
250 Bl. Vulture	3 White-tipped Dove
15 T. Vulture	4 Groove-be. Ani
1 Roadside H.	2 Parrot
1 Gray Hawk	100 Wh.-coll. Swift
5 Sparrow Hawk ✓	10 mid. hummers
20 Laughing Gull ✓	2 Gull-b. Tern ✓

2 Ringed Kingbird	1 Bronzed Cowbird
6 Blue-cr. Manakin	150 Brown-h. Cowbird
3 Collared Aracari	35 Boat-t. Grackle
12 Keel-bi. Toucan	10 Melodious Beeb.
10 Golden-cr. Flycatcher	10 Yellow-wi. Tanager
2 Pale-billed Wryneck	2 Crimson-coll. Tanager
1 Trop. Kingbird	1 Bl.-headed Saltator
4 Boat-bi. Flyc.	1 Buff-tan Saltator
15 Vermil.-cr. Flyc.	1 Yellow-faced Gr.
1 Gr. Kiskadee	2 Wh.-coll. Seedeater
15 Rough-w. Sw.	1+ Blue-bl. Grosbeak
1 Mangrove Sw.	1 Hooded Warbler <span style="color:red;">X</span>
1 Green Jay	1 Black-loc. Grosbeak
30 Brown Jay (both phases)	2 Rose-bri. Grosbeak <span style="color:red;">X</span>
6 Clay-col. Robin	
1 Bl-gr. Gracatator <span style="color:red;">X</span>	
1 Yellowthroat <span style="color:red;">X</span>	
4 Wilson's W. <span style="color:red;">X</span>	
1 Crn. Redstart <span style="color:red;">X</span>	
8 Rufous-cap. W.	

14

March 15, 1960 Tues. Catemaco Hotel  
 (Pl. Agul)

fair, clear, hazy to Base area  
 max. 90° shade to Coyome  
 in car " 118° sun to Pl. Agul  
 S-SEW wind 10-25 mph.

9 Least Grebe	5 Sparrow Hawk ✓
1 Pied-b. Grebe	4 Bl. Chachalaca
12 Oliv. Cormorant	10 Am. Coot
1 Mag. Frigate-Bird	12 Laughing Gull ✓
10 Green Heron	3 Red-b. Pigeon
5 Little Bl. Heron	10 Ruddy Gr. Dove
2+ Snowy Egret	20 Groove-bi. Ori
50 Bl. Vulture	25 Wh.-coll. Swift
15 T. Vulture	1 ♀ Green-br. Mango
1 Wh.-t. Hawk ✓	18 Fork-t. Emerald
400 Broad-w. Hawk ✓	migrating for 15 min. 12:45-1:00 PM mostly high
2 Roadside Hawk	3 mi. W Coyome over
2 Gray Hawk	tropical mt. ridge.
1 Gr. Black Hawk	↑ to W and NW 3 mi. W Coyome
5 Sharp-sh. Hawk ✓	18 Farm-br. Hummer.
2 Marsh Hawk ✓	15 unid. hummers
1 Osprey ✓	1 Ringed King

30 Scissor-t. Flye. (Fore-t.?)

flying over Hotel Pl.-Agul -SE  
just before sunset

1 Lined Wdpk.	1 Bl. head. Grbbed
8 Golden-f. Wdpk.	1 Wh.-col. Sledster
4 Masked Flyer	many small and various 100+
2 Boat-bi. Flye.	
25 Vermilion Flye.	
5 Gr. Kiskadee	
15 Rough-w. Sw.	
45 Brown Jay (bota process)	
1 Wh.-eyed Vireo ✓	Hotel Pl. Agul
1 Bl. & wh. Warbler ✓	
1 Yellow Warb. ✓	
1 Yellowthroat ✓	
2 Wilson's Warbl. ✓	
1 Am. Redstart ✓	
9+ Montez. Grosbeak	8 will adv. nests several first stage nests. Poss. 20 birds
3 Giant Cowbird	
300 Bronzed Cowbird	
150 Boat-t. Grackle	
15 Melodious Bb.	
1 Yellow-w. Tanager	3 mi. W Coyane

## Start Field Work

15

1000' elev.

March 16, 1960 Wed. H. Pl. Agul

72° - half fair, clear-hazy to base area  
50,992 on lake + return

clouds came in AM & PM

on ridge by 11:00 AM but did not cross.

6:30 - 2:15 PM (also breakfast & lunch)

Base area - 1600' elev.

2.7 mi. North of NW (island) corner  
of Lake Catemaco. + of fork in  
road to Coyane. Base area  
is between two low mountains  
which reach about 2000' altitude,  
on road to Santecomega on  
Gulf of Mexico. In AM worked on  
bulldozed road which trends NW + down  
from base area for about .5 mile.

Then worked along ascending  
trail through heavy forest 1.5 miles  
with many large trees, lianas, bamboo,  
+ spiny (choclo?) palms. No tree  
ferns, although clouds envelope area.  
From base area low mountains (7)

trend toward the NW and become  
progressively higher with the culmination  
in Volcan San Martin about 10  
miles from base area. These low  
mountains appearing forested & also  
trend eastward to a low point  
N of Coyome at the NE end of  
Lake Catemaco. East of this they  
rise again toward the higher  
peaks in the southern part of the  
range. The large bay at Santeconga  
is visible from about 150 yds. NW  
of base area on a clear day. Its edge  
appears to be about miles from  
base area which is at the foot of  
the ridge and also overlooks  
Lake Catemaco. Forest is being cleared  
in two areas visible from base -  
at NW slope of mountain to east of  
base area <sup>and to its edge</sup> and between the bulldozed  
road and the Santeconga road N  
of base area & below it about 100 yds.

There are extensive cleared areas on the south slopes below the mountains and above L. Catemaco.

Corn is the chief crop. Also some coffee & other tree crops.

There is considerable undergrowth in the mountain forests and it is usually necessary to keep to native or game trails or the road.

5:15 - 6:30 PM - walked north on Santeacoma rd. from base area about 1/4 mile descending about 200'.

2 Tairanor sp.?	3 T. Vulture
(Sat.-breasted) ✓	1 Gray Hawk
two-toned colts	1 (or 2) White Hawk 1600 1700
all subsequent are this species	5 Sparrow Hawk ✓
1 Least Grebe	1 Cr. Caracara
12 Ol. Cormorant	6+ P.L. Chachalaca
8 Green Heron	15 Laughing Gull ✓
35+ Snowy Egret	12 Red-bi. Pigeon
40 Bl. Vulture	done calling same as Red-bi. P. but for some reason

18 Ruddy Cr. Dove  
 call - Str. Cuckoo  
 -----  
 Fawn-br. Hummer - hotel  
 35 sunid. hummer  
 1 Violaceous Tropic <sup>1700'</sup>  
 1 Ringed King Fisher <sup>1500'</sup>  
 3 Blue-cr. Motmot <sup>1400'</sup>  
 1 Collared Aracari <sup>1400'</sup>  
 1 Chestnut-cr. Wdp. <sup>1400'</sup>  
 5 Golden-cr. Wdp.  
 3 Olive Woodcreeper <sup>15-1700'</sup>  
 1 Bright-r. Attila <sup>1400'</sup>  
 2 Masked Tityra <sup>1600'</sup>  
 1 Tropical Kingbird <sup>15-1700'</sup>  
 2 Boat-bi. Flye. <sup>1600'</sup>  
 2 Verm.-cr. Flye.  
 2 Great Kiskadee - hotel  
 sun. Brushy-cay. Flye. ?  
 ? 2 West. Wood Pewee <sup>1600'</sup>  
 10 Sunid. Flye.

6 Rough-w. Swallow  
 6 Green Jay <sup>14-1600'</sup>  
 15 Brown Jay  
 also white <sup>1600'</sup>  
 4 Wh-thr. Robin <sup>1400</sup> <sub>1600'</sub>  
 8 Clay-cr. Robin  
 2 Slate-cr. Sootane  
 25 Blue-gray Grat. ✓  
 1 Solitary Vireo <sup>1650'</sup> ✓  
 5 Red-l. Honeycreeper <sup>B.A.</sup>  
 5 Bangsia <sup>15-1700'</sup>  
 1 Tr. Parula W. <sup>1600'</sup>  
 1 Bl.-thr. Gr. W. <sup>1500'</sup> ✓  
 1 Yellowthroat <sup>B.A.</sup> ✓  
 2 Cr.-cr. Yellowthroat <sup>B.A.</sup>  
 6 Wilson's Warbler <sup>14-1600'</sup> ✓  
 1 Am. Redstart <sup>1500'</sup> ✓  
 5 Golden-cr. Warbler <sup>16-1700'</sup>  
 35 Boat-bi. Grackle <sup>1400'</sup>  
 2 Melodious Bee-eater <sup>1600'</sup>  
 1 Bl.-crowned Oriole <sup>B.A.</sup>

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8 Yellow-w. Tan.	B.A.	1 Lincoln Sq. ✓ 1400
1 Red-cr. Ant. Tanager	15-17 <sup>00</sup>	
3 Buff-tan. Saltator	B.A.	March 15 - 1 not
3 B. & b. Grosbeak	16 <sup>00</sup>	fresh <u>Tam. don</u>
4 White-coll. Seedeater	B.A.	DDR just N of Hotel.
1 <sup>st</sup> Painted Bunting	B.A. ✓	1600' - at least 10
15 Blue-bl. Grosbeak	B.A. (1)	Coabs in tree in heavy
1 Rusty Sparrow	B.A.	mountain forest - they
		immediately ran to ground
		+ disappeared.

March 17, 1960 Thurs. PLAZA.

76°<sup>9</sup> House wpt 104° in closed car AM & PM

6:30 AM 51009.4 return

→ 1:30 PM 5:00 - 6:00 PM

hazy, then about 10:30 AM clouds rising from Gulf came over ridge + into valley. Wind at first SW then N - Josville "Norte" if winds turn tomorrow. Cloudy at evening trip and very few birds active or in song in contrast with previous evenings.

Walked from B-A down road to  
Santecoma-aga for about 1 mile <sup>to</sup> 1000'  
where first cleared areas can be  
seen. Collected first specimen -  
Chestnut-capped Brush-Finch (agaveus  
race) - 1200' along Santecoma-aga road  
- it was on edge of forest of low  
trees + saplings feeding on army  
ant train. - this train was  
going along ground + on small trees  
+ saplings flying on or near ground -  
could hear rustling of thousands  
of them - they were being preyed  
upon by 4 species of birds mentioned  
+ in list. Also saw leaf cutting  
ants working up + down a tall  
plant. At ~~about~~ 60 Snow Egrets  
on small island adjacent to  
larger island in NW end of  
L. Patonaco. Also about 45  
Ol. Cormorants flying past the  
island.

2 Tropicou <sup>sp.?</sup> <sup>B-A, call.</sup>  
 1 Rufescort <sup>sp.?</sup>  
 one pitched call. posse Ferr. Pygmy Owl  
 1 Least Grebe <sup>sp.?</sup> 1 Paunquet - Note  
 92 O.L. Cormorant <sup>Catarracta</sup> 4+ Wh.-collared Swift  
 5 Green Heron <sup>400±</sup> smaller swifts 1400'  
 70 Snowy Egret <sup>1400'</sup> 1 Long-tailed Heron  
 35 Bl. Vulture <sup>1540'</sup> mid. hummers 20  
 5 T. Vulture <sup>1500'</sup> 2 Bar-Tailed Tropic  
 1 Double-t. Kite <sup>1100'</sup> 2 Blue-cr. Motmot  
 55 Swainson's H. <sup>7:40 AM</sup> - migrating over W mountain  
 1 Roadside Hawk  
 4 Broad-w. Hawk <sup>slope</sup> <sup>✓</sup> migrating in AM over  
 5 Sparrow Hawk <sup>1100'</sup> <sup>✓</sup> 1 " " " "  
 6+ Pe. Chachalaca <sup>170'</sup> 2 on W mountain  
 22 Laughing Gull <sup>500'</sup> <sup>✓</sup>  
 10 Red-b. Pigeon <sup>15-1600'</sup> 1 Keel-bi. Toucan <sup>1400'</sup>  
 1 Wh.-triped Dove <sup>1200'</sup> <sup>✓</sup> 1 Chestnut-cd. Wpche. <sup>1500'</sup>  
 2 mid. large parrots <sup>1500'</sup>  
 1 Squirrel Cuckoo <sup>1000'</sup>  
 4 Cromer-bi. Ani <sup>B-A</sup> 2 Golden-gr. Wpche. <sup>1150'</sup>  
 1 \*Tawny-winged Woodc. <sup>1150'</sup>  
 2 \*Buff-th. Polio-<sup>60-</sup> <sup>1150'</sup>

1 Rose-thr. Bucard <sup>1500'</sup>  
 4 Boat-bi. Flyc. <sup>B-A</sup>  
 5 Vermil.-cr. Flyc.  
 2 Gr. Kiskadee <sup>B-A</sup> <sub>scattered</sub> <sup>1000'</sup>  
 7 Darky-capp. Flyc. <sup>B-A</sup> <sub>scattered</sub>  
 2 W. Wood. Pewee <sup>B-A</sup>  
 1 Gr. Crested Flyc. <sup>in route</sup> <sub>✓</sub>  
 1 Tropic. Kingbird  
 1 Ind. Flyc. <sup>B-A</sup> <sub>scattered</sub> Mont. Oroyana. 1400'  
 6 Rough-w. Swallow <sup>B-A</sup>  
 4 Green Jay <sup>1400'</sup>  
 15 Brown Jay  
 also wh. fly.  
 2 Band-b. Wren <sup>1000'</sup>  
 5 Wh.-br. Wood-Wren  
 Spot-br. Wren?  
 5 Wh.-thr. Robin <sup>1550'</sup>  
 8 Clay-coll. Robin <sup>nr. alt.</sup>  
 10 Blue-gr. Gnat <sup>nr. alt.</sup> <sub>✓</sub>  
 2 Red-l. Honeycr.  
 1 Bonanognat B.  
 20 Cedar Waxwing <sup>✓ 1000'</sup>  
 1 Bl. + Wh. Warbler <sup>1550'</sup> <sub>✓</sub>  
 1 Tropic. Parula W.  
 2 Magnolia W. <sup>✓ 1500'</sup>  
 1 Bl. - thr. Green W. <sup>✓</sup>  
 1 Gray-cr. Yellowb. <sup>B-A</sup>  
 6 <sup>Wilson's Warbler</sup> <sub>✓</sub>  
 1 Am. Redstart <sup>✓</sup>  
 2 Golden-cr. Warbler <sup>nr. alt.</sup>  
 2 Rufous-cap. W. <sup>1550'</sup>  
 2 Ind. Flyc. <sup>B-A</sup> <sub>scattered</sub> Mont. Oroyana. 1400'  
 2 Yellow-b. Cacique <sup>1000'</sup> <sub>in route</sub>  
 20 Bronzed Cowbird  
 25 Boat-t. Grackle  
 2 Melodious Babb. <sup>1550'</sup>  
 2 Yellow-thr. Euphonia <sup>1550'</sup>  
 8 Yellow-w. Tanager <sup>nr. alt.</sup>  
 3 Crimson-coll. Tanager <sup>1550'</sup> <sub>1400'</sub>  
 1 <sup>Scammon's Tanager</sup> <sup>1500'</sup> <sub>✓ 1150'</sub>  
 3 Gray-head. Tanager <sup>1550'</sup>  
 3 Buff-thr. Salt. <sup>B-A</sup>  
 8 Bl. W. faced Grosbe. <sup>B-A</sup>  
 18 Painted B. <sup>1550'</sup> <sub>✓</sub>  
 6 Wh.-coll. Seedeater <sup>B-A</sup>

19.

6 Bl.-k. Grosbeak <sup>B-A</sup> | 1 Rusty Sparrow B-A  
1 Chestnut-cap. Br.-finch (apertus) collected 1200'  
3 Olive Sparrow <sup>1050'</sup><sub>1500'</sub> | 3 Lincoln Sparrow B-A

March 18, 1960 Friday H. P. A.

High 64° North again strong to B-A.  
cool, cloudy, Wind N-NNW 15-45°  
barometer rise 51026.7

6:30-10AM in valley due to inflow of air  
29.65 at B-A - 58°F over ridge?  
rain showers, general light rain  
birds few, little song or activity

1 Loon Grebe	<sup>2</sup> Z.	4 Red-bi. Pigeon	1300'
6 Green Heron	<sup>(cat.)</sup>	1 Long-tailed Hermit	1500'
25 Snowy Egret		12 small, hummers	
60 Black Vulture		2 Ringed King. - Cat.	
5 T. Vulture		3 Golden-ops. Wd. ph.	
2 Roadside H.	<sup>2-3 ad. Sander.</sup>	1 Bridled-n. Attica	1300'
7 Sparrow Hawk	✓	3 Boat-bi. Flyc.	
8 Laughing Gulls	✓	3 Drusky-cap. Flyc.	
2 Terps - Gull-bi.	✓	1 W. Wood Pewee	1600'

4 Green Jay	14-1200	1 Golden-cr. Warbler	1500
6 Brown Jay	14-1200	1 Rukoma-cap. W.	
1 Wh.-br. Wood-W.		1 Montez. Oriole	1100
5 Blue-gr. Gnat ✓		275 Boat-t. Grackle	
10 Red-b. Hummers		3 Melodious Bb.	
1 Bananaquit		6 Bl.-b. Saltator?	
1 Yellow W. 900'		17 Yellow-3, Grasg.	B-A
2 Myrtle W. 900'		3 Wh.-coll. Seedeater	B-A
1 ♂ Kendal W. 900'		3 Bl.-bl. Grasg.	B-A
1 ♀ Hooded W. 900'		1 Rusty Sp. B-A	
4 Wilson's W. ✓		3 Lincoln's Sp. ✓	
2 Ann. Redstart 1500			

March 19, 1960 Sat. HPA to  
 cool, cloudy Norte B-A to  
 60° - Hotel 6:30 51074.3 Coyame  
 A: 6:15 - 10:00 AM - B-A.  
 B: 10:00 - 3:30 AM - B-A - Coyame to H.P.P.  
 wind N-NNE 5-15 mph.  
 B-A road in bad shape - muddy, slushy  
 rain - light, dense most of day

Worked down on Santeo, Rd. to about 1300' & then drove to Coyame, & back to Hotel - observing along road.

Coyame to Fontecanagua Rd. 5 mi. this section mostly cleared with few patches of forest. Corn, pasture & coffee etc. - living - about 1000'

About 8:30 AM when fog & clouds were dense in the forest we heard a series of penetrating, deep-toned, sounds seeming to come from the logging road to the NW about 1000+ feet. They very possibly could be howler monkeys.

1	Ruf. Tiaron	4	2	Scaly Catbird
3	Least Grebe	15	Bl. Vulture	<sup>cate</sup>
20	Ohio. Cormorant	2	T. Vulture	8
6	Green Heron	3	Roadside H. C.	<sup>cate</sup>
1	Little Bl. Heron	8	Sparrow Hawk	B
90	Snowy Egret	20+	Pl. Cuckoo	<sup>goss</sup>
1	Y.-cr. M. Heron	4	Laughing Gull	<sup>cate</sup>
	<sup>cate</sup>			

1. killed by natives - Cat.

20 Red-bi. Pigeon	1 Sulphur-b. Flyc. B
2 Unid. Doves	5 Boat-bi. Flyc. B
1 Red-loge Parrot	15 Vermil.-cr. Flyc. B
12 Groove-bi. Ami B	13 Gr. Kiskadee f.
2 Tong-t. Hermit	7 Rusty-cap. Flyc. B
4 Green-bi. Mango	2 W. Wood Pewee
1 Fawn-bi. Hum. B	sev. unid. Engid.
18 Bar-t. Tropic <sup>1400'</sup>	6 Purple Martin ✓
2 Ringed King	1 Bank Swallow ✓
1 Blue-cr. Motmot	20 Tree Swallow ✓
14+ Keel-bi. Toucan	20 Brown Jay <sup>also whit. t.</sup> B
1 Golden-Olive Wp. B	1 Noz. House Wp. B
1 Lined Wp. B	1 So. House Wp. <sup>B-A</sup>
13 Golden-fr. Wp. B	1 Whr-bi. Wood-Wp. <sup>1550</sup>
1 Oliv. Woodcreeper	2 Wh.-thr. Robin <sup>1550</sup>
1 Br-rumped Attila	3 Clay-col. Robin <sup>1550</sup>
2 Rose-thr. Beccard B	8 Blud gr. Gratcat <sup>1550</sup> ✓
8 Masked Tityra B	35 Cedar Wp. ✓ B
1 E. Phoebe B ✓	1 White-e. Vireo B
70+ Scissor-t. Flyc. B	1+ Yell.-thr. Vireo ✓ B
12 Tropical King B	1 Solitary Vireo ✓ B

20 Red-l. Honeycr. 1550 B 35 Montez. Grosbeak 1550  
 10 Bananquit 1550 B ✓ 50 Boat-t. Grackle  
 2 C. w. W. 1550 B ✓ 12 Melodious Bbl. B  
 1 Nashville W. 1550 B ✓ 7 Baltimore Oriole B  
 2 Trop. Parula W. 1550 B ✓ 2 Orchard Oriole B  
 5 Yellow W. ✓ B 2 Scrub Euphonia B  
 1 Magnolia W. 1550 B ✓ 2 Yell-thr. Euphonia 1550  
 4 Myrtle W. ✓ B 2 Blue-gray Tanager B  
 1 Bl-thr. Gr. W. 1550 B ✓ 10 Yellow-w. Tanager 1550  
 1 Kentucky W. 1550 B ✓ 2 Wh-w. Tanager 1550  
 1 C. Yellow-thr. 8 ✓ 1 Western Tanager B  
 3 Gray-cr. Yellowthr B 10 Red-cr. Ant-Tan. 1450  
 2 Yellow-br. Chat B ✓ 5 Bl-thr. Saltator B  
 10 Wilson's Warb. 1550 B ✓ 2 Grayish Saltator B  
 1 Am. Redstart 1550 B ✓ 1 C. Cardinal B-A  
 2 Golden-cr. W. 1500 B ✓ 1 Rose-br. Grosbeak 1550  
 1 Rufous-cap. W. 1600 B ✓ 1 Blue-bl. Grackle 1550  
 8 Yellow-g. Grizz. B ✓ 10 Indigo Bunting B  
 70 Wh-coll. Seedeater B 1 Olive Sparrow B  
 25 Bl-bl. Grosbeak B ✓ 3 Lincoln Sp. B-A  
 2 Rusty Sparrow B-A 2B Lincoln Sp. B ✓

March 20, 1960 Sun. H.P.A.

cool

5/1090, 9

<sup>to</sup>  
B-A

62°<sup>F</sup> cloudy

wind N + NNW 5-15 mph.

<sup>to</sup>  
Catenaco  
on  
Acayucan

heavy rain in AM at base area.

fairly clear and high cloud  
cover at first, then closing  
in + rain

A B-A - 8-10AM

B - B-A to Catenaco to 25<sup>+</sup> mi. SE

V.S.M. cleared late in PM and  
from hill above S end of L.  
Catenaco, a succession of mts (8-9)  
can be seen rising progressively  
higher toward the volcano.

Their slopes are mainly forest  
covered but lower down is all  
cleared + planted or in scrub.

Rain + clouds in AM at B-A  
prevented good observation for  
+ hind successive day.

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Good birding area along ravine & hill  
slope on downgrade 10 miles on road -  
to Acayucan from Catemaco

3 Rufescent Tinamou <sup>15-1600</sup>	2 Inca Dove B
7 Least Grebe <sup>L. Cat.</sup>	2 Ruddy Gr.-D. B
160 Bl. Cormorant	3 Wh.-Tipped Dove B
8 Green Heron <sup>Hotel</sup>	4 min. parakeets
1 L. Blue Heron <sup>L. Cat.</sup>	2 Red-tailed Parrot <sup>1/4 mi.</sup>
40 Snowy Egret	1 Squirrel Cuckoo <sup>B-A</sup>
6 Blue-W. Teal ✓	3 Vamp' Swift B
60 Lar. Scaup ✓	about 20 mi SE on Catemaco - Acayucan rd.
1 King Vulture <sup>300' B</sup>	1 Long-t. Hermit B
125 Bl. Vulture B	1 Rufous-t. Hummer B
25 T. Vulture B	1 Violaceous Tropic B
1 Wh.-t. Hawk B	4 Ringed Kingfisher B
3 Roadside H. B	2 Amazon King B
4 Gray Hawk <sup>B-A-1</sup>	1 Bl.-cr. Motmot 1500
1 Longwing Falcon B	5 Collared Aracari B
1 Cr. Caracara B	2 Keel-bi. Toucan B
10 Sparrow Hawk B ✓	1 Golden-Olive Wldgr. B
14+ Pl. Chachalaca <sup>B-A</sup>	8 Golden-fr. Wldgr. B
1 Spotted S. B ✓	2 Pale-bi. Wldgr. B
20 Laughing Gull ✓	1 Tawny-wi. Woodc. <sup>1400</sup>
8 Red-bi. Pigeon <sup>B</sup>	

3 Rose-thr. Beard B	1 Sl.-col. Solitaire <sup>1700*</sup> h.
5 Masked Titra B	1 Wood Thrush 1500
1 Black Phoebe Br	1 Swainson's Thr. <sup>H. 1500</sup>
10 Scissor-t. Flyc. B	10 Bl.-gr. Gnatcatcher <sup>B</sup>
7 Troch. Kingbird B	45 Cedar Waxwing ✓
8 Vermil.-cr. Flyc. B	1 Rufous-br. Pepper-Sh. <sup>B</sup>
5 Gr. Kiskadee B	2 Wh.-eared Vireo B ✓
1 Gr.-cr.- Flyc. B	1 Solitary Vireo B ✓
2 Rusty-cap. Flyc. B	1 <del>Black</del> Bl. & wh. W. B ✓
1 Yellow-b. Flyc. <sup>1500</sup>	1 Blue-w. Warbler B ✓
3-4 <sup>prob. Least</sup> mid. Empidonax	1 N. Parula Warbler B
3 Gray-br. Martin <sup>B</sup>	3 Yellow Warbler B
2 Cliff Swallow B	2 Magnolia W. ✓
8 Rough-w. Sw. B	bridge at Catemaco
3 Barn Swallow B	1 Cape May W. <sup>Catm.</sup> ✓
20 Tree Swallow B	4 Myrtle Warbler <sup>Catm.</sup> ✓
2 Mangrove Sw. B	2 Bl.-thr. Gr. W. B.
40 Brown Jay B	2 Yellow-thr. W. ✓ B.
1 Spot-br. Wren B	1 Nor. Water-Thr. ✓ B.
1 Nor. House Wren B	1 C. Yellowthroat ✓ B.
3 Clay-col. Robin B	2 Gr.-cr. Yellowthr.

2 Yellow-br. Chat ✓	20 Indigo Bunting ✓
12 Wilson's Warbler ✓	1 Yellow-g. Grosbeak B
1 Golden-cr. W. 1550	20 White-coll. Seedeater B
1 Mont. Oriole ✓	30 Blue-br. Grosbeak B
150 Bronzed Cowbird-Hotel	1 Olive Sparrow B
650 Boat-t. Grackle B	3 Rusty Sparrow B
15 Melodious Bbl. B	8 Lincoln Sp. ✓ B
10 Baltimore Oriole ✓	
20 Orchard Oriole ✓	
2 Bl.-crowned Oriole B	
1 Bl.-thr. Oriole B	
2 Yellow-thr. Euphonia B	
1 Blue-Gray Tanager B	
1 Crimson-coll. Tanager B	
2 ♀ Summer Tanager B	
1 Western Tanager B	
4 Buff-thr. Saltator B	
1 ♀ C. Cardinal B	
9 Rose-br. Grosbeak ✓	
18 Blue Bunting <sup>300'</sup> about 20 mi. SE Catamaco	
3 Blue-br. Grosbeak B 1-1450	

Large Sparrow  
seen twice

11 mi. from  
Catamaco on  
Acayucan Rd.  
is gray with  
area of bright  
orange on center  
side & below -  
not in Tegul  
or Hall?

March 21, 1960 Mon. 67° H.P.A.

9:00 AM - 5PM 51,152.4 to  
cool, cloudy, Wind N-NW Tecoloyan  
showers. 5-15 mph, + return

clearing to south

+ turning slightly warmer <sup>70°</sup> about  
5PM - end of "norte"? Saw  
about 220 Bl. Vultures feeding on  
+ around dead pig - S, Tepic.  
Also several were starting to pick  
at dog morsel which was dying  
and had apparently been hit by car  
as there was a hole in skull.

11	Least Grebe	Cote.	7	Roadside Hawk	
5	Pied-b. Grebe		2	Gray Hawk	+
10	Ol. Cormorant		2	Gr. Black Hawk	Tecoloyan
5	Green Heron	Cote.	1	Laughing Falcon	Cote.
1	Little Blue Heron	Cote.	1	Cr. Caracara	
6	Snowy Egret	Cote.	10	Sparrow Hawk	✓
500	Bl. Vulture		6+	Pz. Goshalaca	
20	T. Vulture		10	Am. Coot	Cote.
1	Swainson Hawk	Tepicagon	1	Spotted Sandp.	✓

1 Red-bi. Pigeon	1 Solitary Vireo ✓ Cat
1 Draca Dove	1 Bl. + Wh. Warbler ✓ Cat
20 Gr.-bi. Ani	1 Nashville W. ✓ Cat
1 Fern. Pygmy Owl	ste. nr. of S. A. Tawnya
1 Mottled Wood-Owl	DOR nr. S. Tawnya
100 Wh.-coll. Swift	7 Yellow W. ✓ Cat
15 Vaux' Swift	5 Magnolia W. Cat
1 Fawn-br. Hum. <sup>H.P.A.</sup>	1 Cape May W. ✓ "
1 Rufous-t. Hum.	3 Myrtle W. ✓ "
10 vireo. hummers.	1 Bl.-th. Gr. Wh. "
2 Keel-bi. Toucan	2 Yellow-th. W. ✓ "
4 Golden-fo. Wdpss.	1 Nor. W. Thrush ✓ "
3 Tropical Kingb.	1 Gray-cr. Vireo
8 Vermel.-cr. Flye.	2 Yellow-br. Cat ✓
6 Gr. Kiskadee	5 Wilson's Warbler ✓
3 Drury-cap. Flye.	2 Rufous-c. W.
30 Rough-w. Sw.	75 Browned Cowbird
50 Brown Jay	150 Boat-t. Grackle
3 Spot-br. Wren	15 Melodious Babb.
3 Clay-cr. Robin	1 Yellow-th. Flycatcher
1 Wh. eyd Vireo <sup>Cat</sup>	

showers, one heavy about  
7 + 9 P.M. Road to Sontec. has been  
very muddy + slippery - too hazardous for car  
in last 2-3 days. Lark Sparrow - S. And.

4 Yellow-w. Tan.	1 Yellow-g. Grosbeak
1 Cr.-coll. Tan.	15 Wh.-coll. Siskin
1 Wh.-w. Tan.	30 Bl.-bl. Grosbeak
3 Bl.-bnd Grdn.	25 Indigo Bunting ✓
10 Laughing Gull ✓	4 Lincoln Sp. - late ✓
1 Imp. Royal Tern Cate ✓	2 Painted B. ✓ Tropicana

Hills + valleys around S-Andes  
+ Santiago T. (less extent) are  
mostly bald, erosion is evident.  
Magnificent forest near road  
at Tocoyan is now a  
mass of blackened stumps - a  
sad sight. More forest on  
hills ~~less~~ west of S. T. than  
than east. From south

of Coton, can be seen the  
very low gap where clouds  
+ rain can come down to  
lake from Cuy at Coyane.  
Brown Jay very common - much more  
active with white tail tips.

25

March 22, 1960 Tues. H.P.A.

65° 6:30 - 3:30  $\int 1224.0$  <sup>to</sup>  
<sub>B-A</sub>  
clear, fair, wind NE 10-20 mph. + return  
still heavy clouds to north but  
disipated later in AM after heavy  
shower about 6:45, - cumulus  
clouds (fair weather) then from NE  
and cleared even more in PM.

Road to BA - drying rapidly during  
day but in early PM still too  
wet so parked car about  $\frac{3}{4}$  mile  
from B-A. + walked. (About 4 miles total)

Clearest day so far - could  
see whole Bay of Sanconagon,  
Dos Amates, and ocean from  
1500' along bulldozed road. (1).

Heard Hutton Motacilla <sup>from</sup> along this  
road about 450 yards NW of B-A.

about same location as on  
prior day. Finally located two ~~one~~  
horizontal branch of tree about 300'  
above and 250 yds from us. They

Leaf cutting ants on road (1) -

50+ yrs  
apparently <sup>old</sup> ~~with heads~~ down  
around large + dark with blackish  
trunk + limbs + reddish-brown  
bark. They moved on a little but  
in response to whistles, shouts  
& clapping they raised their heads  
and looked at us. They were sitting  
about 70<sup>±</sup> ft. up in a tree in  
dense forest on the side of a  
mountain reaching <sup>about</sup> 2300' a.s.l.

Clearing the forest to the NW of the  
B-A seems to have cleared long ago.  
A new section is being cleared at  
the east edge of the B-A at  
the base of the mountain.

Ascended on the mountain to the  
northwest (#2) to about 2100' a.s.l. on  
a north face. Although there are some large  
trees, the forest on its upper  
slopes is lower with more  
bamboo + scattered "chacha palms".  
Birds are scarcer in this unbroken  
forest.

1+ Coatisimondis in large tree  
among bamboo thickets off road  
(1) about 1650' alt.

2 Resplendent Tui <sup>1400'</sup> 50 Vans. Swift <sup>1600'</sup>

2 Least Grebe <sup>4</sup> Cat. 10 min. hummers.

5 Oliv. Cormorant 2 Ringed Kingg. H.P.A.

1 Mag. Frigate-Bird Santacruzan Bay ↑

4 Green Heron <sup>Hotel</sup> 1 Amazon Kingg.

60 Snowy Egret-Cat. 2 Blue-cr. Motmot <sup>1900</sup> <sub>1600</sub>

40 Bl. Vulture 4 Keel-bi. Toucan <sup>1500'</sup>

5 T. Vulture 2 Golden-Olive Wgthr. <sup>1900, 500</sup>

3 Wh.-t. Hawk <sup>Suspirans</sup> migratory 2 PM

3 Roadside Hawk 5 Goldena - gr. Wgthr.

1 Gray Hawk 1500 1 Olivaceous Wdgryg. <sup>1600'</sup>

1+ poss. Eagle Hawk 1 Swallow-bi. Woodpecker. 1900

1 Bl.+wh. E-W. ? - large, white below <sup>ale</sup> <sup>1700'</sup> (1) 2 PM

12 Broad-w. Hawk <sup>migratory</sup> 1:00 PM on ground <sup>on ground</sup>

2 Sharp-sh. Hawk <sup>✓</sup> 2 Buzz-thr. F. Gleaner <sup>1900</sup>

4 Sparrow H. <sup>✓</sup> 4 Mashed Titra <sup>H.P.A.</sup> <sub>to 84</sub>

6 Pl. Chachalaca <sup>✓</sup> 7 Tropical Kingbird

5 Laughing Gull-Cat. 2 Vermil.-cr. Flyg.

5 Red-bi. Pigeon <sup>B-A</sup> flying 3 Gr. Kiskadee

4 min. <sup>large</sup> Parrot - B-A - 8 Smoky-capa Flyg. <sup>B-A</sup> 140

1 Paroque - H.P.A. 1 Yell.-bell. Flyg. 1600

Santacruzan Rd. = road (2)

1 Bright-r. Attila 1500 does road (!)  
 1 Yell.-bell. Tyrannulet 1500 set quiet & still  
 10 feet - eye level.  
 1 Purple Martin <sup>below</sup> B-A 2 Golden-cr. W. 1800  
 6 Rough-w. Sw. 1550 2 Rufous-cap. W. 1550  
 1 Tree Sw. L. Cate. ✓ 1 Yell.-bill. Cacique <sup>on ground</sup> 1900  
 1+ Green Jay 1800 600 Boat-t. Grackle  
 10 Brown Jay - H.P.A. 2 Black-cowled Oriole <sup>1600</sup>  
 B-A 2 Spot-br. Wren 1450 2 Blue-hooded Finch <sup>1600</sup>  
 4 Wh.-br. Wood-Wren <sup>1900-1950</sup> well seen 100' up in  
 3 Wh.-thr. Robin 1600 top of tree - shot  
 5 Clay-col. Robin <sup>1600</sup> tree male but lost it.  
 1 Orange-br. N.-Th. <sup>1900</sup> Yellow-w. Tan <sup>1600</sup>  
 2 Slate-col. Sol. 1700 1 Buff-thr. Saltator <sup>1600</sup>  
 1 Blue-gr. Gnat. ✓ 1 Bl.-br. Gold Grosbeak <sup>2200'</sup>  
 1 Gray-h. Greenlet <sup>road 1500</sup> 1 Indigo Bunting <sup>1500</sup> ✓ H.P.A.  
 6 Red-t. Honeycreeper <sup>15-1600</sup> 2 Yellow-j. Grosbeak <sup>B-A.</sup>  
 1 Bananaquit 1500 35 Wh.-coll. Seedeater  
 1 Yellow-thr. Vireo <sup>1600</sup> 1 Bl.-br. Grosbeak  
 1 Bl. + Wh.-W. ✓ 2 Ch.-cap. Bush-Finch <sup>1700</sup>  
 1 Trop. Parula W. 1500 (apertus) - on ground  
 2 Myrtle W. - <sup>5 of</sup> B-A ✓ 2 Rusty Sparrow - / H.P.A.  
 2 Bl.-thr. Gr. W. 1500 1 Lincoln's Sp. - B-A.

5 MM-24-1960 27

March 23, 1960 Wed.

H. P. A.

B-A.

51230.2 dew

58° clear, cool, fair

6:30 - 2 PM wind NE

5:00 - 6:30 PM 5-25 mph.

Later in day some Cb clouds come in. Heavier and lower clouds were coming in over Coyone & peaks to south. Road to B-A again dry & extremely dusty.

Thought we heard howlers give one or two roars this evening. Today we worked Road (1) to Lookout

but could not see monkeys. Then we worked Road 2, descending to

Pas Amates (1000') and then eastward toward Bay of Satecomaga to about 700' a.s.l. Base area is about 3 miles

SW of Satecomagan and 1 mi. SSW of Pas Amates. Areas around this latter town are cleared or in scrub forest or brush. Some pastures. Most all of mts. to east & west are heavily forested.

Another large & a small lines of  
leaf cutting ants. Watched them  
coming down from 30' up in leafy  
tree. Saw two White Hawks soaring  
above mts - viewed them from W. Andes.  
Also several hawks & blackish -  
indeterminable, - . Several dark-gray-  
brown squirrels - gray squirrel type.

3 Rufes. Tinamou	<sup>17-1400</sup>	8 Ruddy Gr. Bone	<sup>500</sup>	B-A
1 Least Grebe	L. cate.	11 Red-lored Parrot		
1 m. Little Bl. Heron	<sup>500</sup>			
25 Bl. Vulture			6:30 PM	soaring over ridge (B-A) + toward North.
10 T. Vulture		5 mid. Parrots, 1 smaller		
1 Roadside Ft.	<sup>900</sup>	same note 1 or 2		
2 Gray Hawk		mid. ----- ?		
2 White Hawk	soaring			
3 Gr. Bl. Hawk	<sup>1000</sup>	1 Parrotage	<sup>500</sup>	B-A
3 Bl.-avi. Hawk	<sup>1000</sup>	45 Vant' Swift		
1- <sup>1</sup> Cretes Coracops	<sup>1000</sup>	migrating NW		edge
5 Sparrow Hawk	✓	1 Long-t. Hermit	1100	
4+ Pl. Chachalaca	B-A	1 Violet-Sabre-wing	<sup>800</sup>	
8 Red-bi. Pigeon	<sup>5-10-A</sup>	1 Gr.-br. Mango	<sup>800</sup>	
2 Wh-tip. Bone	<sup>1400</sup>	1 Fork-t. Emerald	<sup>800</sup>	

19 May - 1962 28

13 unid. hummer	2 - 900
2 Violaceous Tropic	1200' 2 - 1500
2 unid. Tr. 800' ?	2 - 1000
2 Bl.-cr. Motmot	1500' 1500'
2 Keel-bi. Toucan	1300' 12 - 1600
3 Golden-Olive Wdp.	1500' 15 - 1600
1 Lined Wdp.	800' Catbird - 1600'
7 Golden-fr. Wdp.	var. alt. 10 Clay-col. Robin 15-1600
2 Oliv. Woodcr.	1500' 10 Bl.-gr. Gr. nat. var. alt.
2 Ivory-bi. Woodcr.	1500' 1 Red-e. Vireo 1500
8 Masked Tityra	1600' (flaviviridis) 1 Gray-headed Greenlet 1500'
6 Trop. Kingbird	800' 2 White-eye. Vireo 900'
4 Boat-bi. Flyc.	1600' 10 Red-l. Honeycr. 14-1600'
2 Vermil.-cr. Flyc.	800' 1 Bananaquit 1500'
4 Gr. Kiskadee	1 Bl. + w. W. 1500'
1 Br.-cr. Flyc.	800' 1 Orange-cr. W. 800'
sw. unid. Flyc.	1 Nos. Parula W. -
12 Drab-cap. Flyc.	var. alt. 1 Trop. Parula W. 1400
1 W. Wood Pewee	1600' 5 Magnolia W. var. alt.
16 Rough-wi. Sw.	900' 2 Bl.-thru. Gr. W. 1500'
2 Green Jay	1400' 1 Corn. Yellowthr. ✓
	2 Yell.-br. Chat 1500' 1600'

1 Hooded Warbler ✓ 1500	8 Bl.-bl. Grosbeak 4- B-A
4 Am. Redstart ✓ 1500	4 Indigo Bunting ✓ 800
8 Golden-cr. W. 14-1600	3 Olive Sparrow <sup>way</sup> alt.
3 Rufous-cap. W. 1500 1000	3 Rusty Sp. B-A <sup>1100</sup>
1 Mont. Oriole. B-A	5 Lincoln Sp. B-A ✓
2 Yellow-bi. Cacique 1500	1 Lark Sparrow <sup>s.</sup> ✓ <sup>BA</sup>
40 Boat-t. Gr. 1500	
4 Mel. Blb. 1000 800	
2 Bl.-coll. Oriole 1500	
3 Yell.-thr. Euphonia 1600	
7 Yell.-wi. Tanager <sup>14-1700</sup>	
1 ♂ Summer Tan. ✓ 1500	large trees with small fruits are very attractive to many species.
1 Crimson-coll. Tan. 1600	Tanagers, Euphonias, Robins, Catbirds, Toucans, Grosbeaks.
2 Wh.-wi. Tan. 1200	Tree <del>just</del> below base area is often 'alive' with birds.
1-2 Red-cr. Ant-Tan. 1500 1600	
7 unid. Ant-Tan. -15-1600	
2 Blr-head. Salt. 1100'	
5 Blr-faced Grosb. 15-1600	
2 Blue-bl. Grosbeak 1500	
2 Yellow-fac. Gr. 900 <sup>B-A</sup>	
12 Wh.-coll. Seedeater 800'	

29

subtract from min. temp.  $2^{\circ}$  for 600' increase  
in elevation of B-A.

March 24, 1960 Thurs. H.P.A.

$60^{\circ}$  fair, clear-hazy  
51247.5

to

B-A

dew 6:30 - 12:00

wind NE 3-15 mph.

temp.  $81^{\circ}$  at 12:00M.

Heard howler monkeys and later  
saw the two at approx. same  
distance & height but in tree about  
2-300 yds farther NW on mountain.

Both monkeys moved up to a limb  
using feet & tails & sat close together  
gazing out & sun with heads showing  
White Hawk soaring at noon over  
NW mountain. Walked up Road (1)  
and then trail A & then to NW  
descending on side trail to dead  
end open on forest (frame of  
shelter made here). Uncl. large  
eagle-like bird about 11:30 over  
NW mountain. Very wide wings, con-  
siderable white below, dark on

breast or belly, tail light with dark band. Wind east to south at evening - (cloud motion). Laughing Gulls calling on L. Catavero as sun goes down and red clouds above the mountains cast a glow on the lake surface - peaceful. Still new and unknown calls in the forest today. Two White-tailed Kites just flew by over Hotel grounds going NW. In to S. Andes today PM for mail, gas, good. Great Horned Owl nest in tree at lake edge in front of hotel.

2 Rufes. Tinamou	<sup>1400</sup>	10 T. Vulture
1 L. Grebe	<sup>Late.</sup>	2 Wh.-tailed Kite <sup>over</sup> <sub>A.</sub>
1 Mag. Frigate-Bird	- over Road 1	- 1500'
4 Green Heron	- L. Cat.	1 Roadside Ht. - <sup>S. And.</sup>
(+ Little Bl. Heron)		1 Gray Hawk - B-A
30 Snowy Egret		1 White Hawk over NW mt.
1 Bl.-ed. N. Heron		2 Gr. Bl. Hawk <sup>over</sup> <sub>Road 1</sub>
75 Bl. Vulture		45 Br.-nr. Hawk <sup>1500'</sup> <sub>in 1 hr.</sub> <sub>over road; lookout</sub>
	10-11AM	

1 Cr. Caracara - 1700 over Road 1  
 Road 1  
 1 Sh.-sh. Hawk 1700 ✓

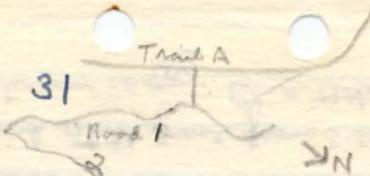
2 unid. large hawks 1 Streaked Fly. 1600  
 4 Sparrow H. 5. Andes 2 Boat-bi. Fly. 1600  
 6+ Pt. Chachalaca 1300 1 Gr. Kiskadee ?  
 5 Laugh. Gull 6. Cate. 7 Dusky-cog. Fly. var. alt.  
 7 Red-bi. Pigeon 8-A 1 W. Wood Pewch 1600  
 again slower hooting dove 6 Rough-win. Swr. B-A  
 4 Gr.-bi. Ani. -H.P.A. 2 Green Jay 1500  
 2 Paroague -H.P.A. 10 Brown Jay 8-18-A.  
 20 Vamp' Swift 3 Spot-br. Wren 16-1500  
 1 Violet Sabre 1500 7 Wh.-br. Wood-Wr. 14-1600  
 1 Bl.-cr. Motmot 1800 2 Wh.-thr. Robin 1500  
 3 Keel-bi. Toucan 1500 8 Clay-col. Robin 1600  
 1 Golden-Olive Wdpfr. 1400 4 Bl.-gr. Gnat. ✓  
 7 Golden-gr. Wdpfr. 1 1 Gr.-head. Grnlet. 1600  
 1 ♀ Pale-bi. Wdpfr. 1600 12 Red-l. Horner. 15-1600  
 1 Oliv. Woodcr. 1500 1 Trop. Parula W. 1500  
 1 Ivory-bi. Woodcr. 1500 1 Yellow Warb. ✓ H.P.A.  
 1 Br.-trumped Atlala" 4 Magnolia W. 1500  
 5 Masked Tityra 16-1400 2 Bl.-thr. Gr. W. ✓ 1500  
 3 Trop. Kingbird 1600 2 Overbird 1-H.P.A. 1600  
 1 Hooded W. 1550

10 Wilson's Warbl. <sup>var. alt.</sup> ✓ 3 Yellow - g. Grosbeak B-A  
<sup>16 - 1400</sup>  
 7 Gold-cr. Warb. 5 Indigo Bunt. 1 - 1500 ✓  
 4 House Sp. - Son. 1 Painted Bunt. 1600 ✓  
 100 Boat-t. Gr. - HPA 3 Wh.-coll. Seadl. B-A  
 1 Melo. Blb. HPA 3 Bl.-bl. Grosbeak B-A  
 1 ♀ Orchard Or. <sup>Son. and</sup> 5 Ch.-cap. Br. Finch  
 2 Black-coll. Or. 1600 (apertus) 3 - 1500  
<sup>2 - 1400</sup>  
 1 Blue-gr. Tan. <sup>HPA</sup> 1 Olive-Spanow 1500  
 2 Yellow-wi. Tan. <sup>16 - 1500</sup> 1 Rusty Spanow B-A  
 1 Cr.-coll. Tan. <sup>1600</sup> 3 Lincoln' Sp. B-A ✓  
 1 Wh-w. Tan. <sup>1500</sup>  
 1 <sup>?</sup> Bl.-h. Salt. 1500  
 1 C. Cardinal B-A

March 25, 1960 Friday H. P. A.  
<sup>to</sup>  
<sup>65° 51.272, 6</sup> B-A

clear, fair, S-5SE wind  
 6:30 - 2 PM 20-40 mph  
 max. temp. 90° - B-A 2 PM  
 high clouds - alt stratus + sunning later in day

decreased somewhat toward midday



Worked briefly below base area on Road 2 to about 1400' in ravine on short trail to spring to NE of road. Then worked road 1 and then Trail A to where it starts to climb above 1550'. About 100 yds NW on Trail A when returning, Harold spotted howler monkey in large tree above trail. Monkey very tame - worked around in tree eating fruit, at times out of sight about 50-75' from ground. Took still photos. He called, song, scolded, + worked hand-brushing but monkey took little heed except to look down at us. Finally monkey sprawled out on near horiz. limb in open over us with legs dangling + observed us. Then after about 5-10 min. it came over to smaller tree and came down + sat about 30' above us and ~~bita defecated + urinated.~~ It

stayed here about 3-5 mins. + then went back up into larger tree & began to eat. Moray made no sound during observation (about 1 hr) and moved fairly slowly using power + long tail. It was mottled blackish brown with a large streak of reddish brown fur on each side. Beak was about 3<sup>+</sup> inches long. Saw White Head sailing to NE over slope below 1500'. On return, drove down Coyote road to just beyond Prognathis nest tree (19 nests now, most completed) and ate lunch. Birds were active today but fresh to strong wind hindered observation + kept birds in cover (at least some species). Native were burning brush in cleared areas on both W and east mountain bases. Wind still blew from S-SSE 6PM - L. Catemaco choppy. Br. r. Atala

song loud clear whistles from top of tall tree near midday. Bush-Finches chase through undergrowth frequently. At Tanager's trail it small groups of 2 to 4+

Honeycreepers were usually in groups of up to 8-9 individuals in higher parts of trees. Wood-Wrens were rapidly tame undergrowth resort constantly, usually repeating their piping call. Dusky-Lap.

Fin. frequent all levels, usually singly. Spotted-Wren is not so secretive nor

so active and is more easily seen.

Scarcity of Columbidae is puzzling.

Most all species of birds observed so far prefer forest, trail, or road edge,

or tops of trees both in forest and

in clearings. Few species frequent dense forest at lower levels. There appears

to be more undergrowth in the

dense mountain forests than I would

expect there to be in "true rain

forest", and perhaps fewer large

trees. However, it may be representative

of RF. as it is designated in

Mifcos. There are abundant

epiphytes, lianas, and in many places a closed canopy. There may be less leaves now, this being the drier period of the year. The spiny (cachia) palm is abundant in lower levels of forest. There are many heliconia plants  $\frac{1}{2}$  to  $1\frac{1}{2}$  feet in ht, thru the forest. Should there be so many in true RF? These are the east-to-north slopes which should receive the most rainfall.

		89-12-15 1:15
2	Oliv. Cormorant	L. cat 94 Br. avi. Hawk-migr.
2	Mag. Frigate-Bird	- soaring over slopes
3	Green Heron	L. cat. 1 White Hawk
40	Snowy Egret	L. cat. 1 Osprey -migr. over slope
30	Bl. Vulture	3 Sparrow H. ✓
6	T. Vulture	1 Pigeon H. ✓ over slope to E
1	Wh.-t. Kite	- over Cayenne Rd. migr. W
2	Roadside H.	10 Red-bi. Pigeon
2	Gray Hawk	1 on stop 2 mid. parrot B-A
1	Swainson Hawk	migr. over

4 Laughing Gull - L. Cat.	3-1600 6-1500
200 Vaux's Swift	9 Wh.-thr. Robin
1 Violet Sabre-wing 1500	2 Clay-col. Robin
1 Bar-Tailed Tropic 1600	1 Slate-col. Solitaire 1600
1 Violaceous Tropic 1400	4 Bl.-gr. Grate. 1500
1 Ringed Kingg. HPA	1 Red-eye Vireo 1500
2 Keel-bi. Toucan 1400	(geavorviniid)
1 Chestnut-col. Wags. 1600	1 Gray-h. Greenlet 1500
5 Golden-gr. Wags.	15 Red-l. Honeyc. alt.
1 Oliv. Wrecker. call 1500	1 Bl.+Wh. Warbler 1500
1 Br.-ring. Attla 1600	1 Bl.-thr. Gr. W. 1500
3 Masked Tityra 1500	18 Hooded W. 1450
2 mind. streaked Flyc.	12 Wilson's W. var. alt.
1 Boat-bi. Flyc. 1600	4 Golden-cl. W. var. alt.
1 Verm.-cr. Flyc. - HPA	2 Ruf.-capped W. 1500
7 Bush-cap. Flyc. var. alt. 1500	4 Mont. Gros. at. mate
1 W. Wood Pewee 1600	7 Giant Cowbird
6 Rough-w. Swallow D-A	200 Bronzed Cowbird HPA
2 Green Jay 1500	175 Boat-t. Gr. HPA
8 Brown Jay	7 Melod. Blb. 3-1500 4-HPA
3 Spot-b. Wren var. alt. 5g	4 Yell.-thr. Flych. 1600
4 Wh.-br. Wood-Wren	2 Yell.-wi. Tan.

1 Cr.-coll. Tan.	1400
1 Red-cr. Ant.	Tan. <sup>1400</sup>
4 Indigo B.	<i>✓</i> 1500
40 Wh.-coll. Seed.	B-A
2 Ch.-cap. Br.-F.	1500
1 Rusty Sp.	B-A
1 Lincoln Sp.	B-A <i>✓</i>

March 26, 1960 Sat. H.P.A.

74°  $\delta$  1289,4

$B-A$   
 $\frac{to}{+}$

clear, fair S-SW wind 10-20 mph  
slight dew 6:30-4PM wind slight  
max. temp 79° B-A during day to  
70° - 4 PM

N + NNE

Clouds like + clouding up.  
start of another 'Norte'.

Walked from B-A to Nos Amates  
& then descending on road to  
La Palma to about 100' alt.  
about 2 mi. beyond (NW) of N. Amates  
Clouds coming in at B-A at 4 PM.

About 7 AM at 1300' elev. on woods  
trail short cutting across a bend  
in road 2 we found a ~~Far-ender~~<sup>(8' when 74, just caught)</sup> snake  
across the trail. It was about  $5\frac{1}{2}'$   
long with a beautiful dark blackish  
brown + pale grayish pattern. Harrel  
held it + controlled it with gun  
barrel while I photographed it.  
Vegetation on either side of trail is  
lusa + dense. Snake opened  
jaws two or 3 times + vibrated  
tail; also made one or two  
short strikes but <sup>did not seem aggressive.</sup> discovered a  
Bandel Boa in a erect position  
in the top of a small pile of  
sticks + twigs among small trees  
in an open grazed area. Walked  
up to about 8' from it + photo-  
graphed it. Country below Bo-  
Boa <sup>is</sup> rolling + much of  
it is cleared + under cultivation.  
Dense shrubs, bushy areas

banana plantations

and bamboo thickets are scattered between corn fields. Some patches of forest are left especially on the hills. Nearer La Palma there appears to be more forested areas and the lower land between us and the coast seems to have considerable forest with some clearings, palms & banana areas. Bay of Santacruz is irregular in shape with heavy forest & what appears to be mangroves and some swampy areas. Clouds obscured view to westward so could not see any higher mts in Tuxtla range. Road beyond Los Amates to La Palma is very bad in several places (mud & ruts). Found a dead scorpion (about 2" long) on road about 500' elev. below Los Amates.

12 Green Jay 2-500 35 12 Green-t. Dove 700  
12 Green Jay 200 12 Green-t. Dove 700  
12 Green Jay 200 12 Green-t. Dove 700  
12 Green Jay 200 12 Green-t. Dove 700

2 Ruddy Tinamou 1300	
1 Least Grebe - L. Cat.	10 Ruddy Gr. Dove 600 <sup>400</sup>
3 Oliv. Corm. 700	2 Wh.-t. Gr. Dove 700
1 Mag. Frig. Bird 300	10 Green Parakeet 200 <sup>400</sup>
4 Green Heron HPA	6 Red-lored Parrot 4-600
1 Little Bl. Heron 200 <sup>1</sup>	16 Gr.-bi. Ann (6) 300 <sup>0.03-5 of B-A</sup>
40 Snowy Egret L. Cat.	1 Ferr. Pygmy Owl 700 <sup>adult</sup>
1 King. Vulture 700 <sup>1</sup>	soaring toward west
15 Bl. Vulture	10 Wh.-coll. Swift 400
8 T. Vulture	50 Vant's Swift 1400 <sup>1</sup>
1 Wh.-t. Kite +800 <sup>1</sup>	soaring + moving east
127 <sup>+</sup> Br.-wi. Hawk ✓ 8:00-10:00 AM	+ to the north
1 Roadside Ht.	1 Long-t. Hermit 400 <sup>1</sup>
3 Gray Hawk 200 <sup>1</sup>	1 Violet Sabrew-w. 300 <sup>1</sup>
1 Osprey ✓ 700 <sup>1</sup> - moving w	
10 Sparrow Hawk ✓	2 Rufous-t. Hummer 400, 700 <sup>1</sup>
2 Cr. Caracara 800 <sup>1500-2000</sup>	1 Folle-t. Emerald 600 <sup>1</sup>
2 Pl. Crachalaca	20 mid. hummers
3 Laughing Gull L. Cat.	1 Bar.-t. Tropic 400 <sup>1</sup>
10 Red-bi. Pigeon	1 Violaceous Tropic 1200 <sup>1</sup>
slow up - rega - coo	3 Keel-bi. Toucanet var.
1 Blue Ground-Dove 600 <sup>1</sup>	12 Gold-gr. Wdpsh. var. att.

↓ have been calling  
at B-A on several days on E & W  
mts.

h.t.g.

- 1 Pale-bi. Wdg. 1400'
- 1 Oliv. Woodpecker 1400'
- 4 Rufous-br. Spinetail 5-600'
- 3 Barred Antshrike 500'
- 2 Rose-thr. Recard 500'
- 8 Masked Titra <sup>var.</sup> alt. <sub>down to 600'</sub>
- 30 Scir. Flyc. 300'
- 12 Trop. Kingbird <sup>var.</sup> alt.
- 1 Sulphur-bell. Flyc. 700'
- 3 ~~pm~~ Piratic Flyc. <sup>1500'</sup> 2-200'
- 3 Boat-bi. Flyc. <sup>var.</sup> alt.
- 15 Vermil.-cr. Flyc. 800'
- 6 Gr. Kiskadee
- 1 Br.-cr. Flyc. 800'
- 15 Purple-cap Flyc. <sup>var.</sup> alt.
- 2 W. Wood Pewee <sup>B-A</sup> <sub>sev. unid. Empid.</sub>
- 2 Gr.-br. Martin 600'
- 5+ Tree Swallow <sup>700'</sup> ✓
- 1 Barn Swallow <sup>800'</sup> ✓
- 1 Mangrove Szw. 500'
- 4 Green Jay <sup>var.</sup> alt.
- 15 Brown Jay 5-700'

- 6 Spots-br. Wren <sup>B-A</sup> <sub>+ to 400'</sub>
- 1 Wh.-br. Wood Wren <sup>var.</sup>
- 12 Clay-cab. Robin alt.
- 8 Bl.-gr. Gnat <sup>var.</sup> alt. ✓
- 1 Green Shr.-Vireo 600'
- 1 ~~Pied~~ <sup>Red</sup> Bell.-gr. Vireo
- 1 Red-l. Honeycr. <sup>700'</sup>
- 2 Orange-cr. Warbl. ✓
- 1 Nashville W. 700'
- 2 Yellow W. 300' ✓
- 2 Magnolia W. <sup>var.</sup> 500'
- 1 Nor. W. + brush 300'
- 3 Gr.-cr. Yellowth. 500'
- 1 Yell.-br. Chat 500'
- 1 ♀ Hooded W. <sup>var.</sup> 500'
- 25 Wilson's W. <sup>var.</sup> alt. ✓
- 1 Am. Redstart ✓
- 1 Golden-cr. W. <sup>4-600'</sup>
- 30 Mont. Oriole. <sup>600'</sup>
- 3 Giant Cowbird 500'
- 25 Br. Cowbird 600'
- 75 Boat-T. Gr. <sup>600'</sup> 600'

30 25 30 36

15	1 Melod. Blbr. 800'	1 Painted Bunt. 500'
2	Orchard Oriole 500'	30 Indigo Bunt. 800' ✓
5	Yell.-thr. Engst. 300-600'	9 Yell.-face Grass. 400+600' B-A
4	Blue-Gr. Tan. 300'	20 Wh.-coll. Seed. 4-600' B-A
4	Yell.-wi. Tan. <sup>var.</sup> att.	6 Bl.-bl. Grass. 600' (1)-600'
1	Gr.-coll. Tan. 500'	2 Dark-bl. Grass. (1)-B-A
1	Red-cr. A.-Tan. 1500'	2+ Olive Sparr. 1500' 600'
1	Gr.-head. Tan. 600'	1 Rusty Sparr. 600'
5+	Buff.-thr. Salt. <sup>var.</sup> att.	10 Lincoln Sparr. B-A 600' ✓
2	Grayish Salt. 700'	
12	Bl.-face. Grass. 500'	
3	C. Cardinal 600'	

March 27, 1960 Sun. H.P.A.

6:30-8AM 51298.0  $66^{\circ}$  - ~~B-A~~ <sup>to</sup>  
70° clear, air but wind N-NNE  
heavy bank of clouds to north <sup>3-20</sup>  
and study area + the Grey slope obscured  
by clouds making observation, except  
at close range, and at low levels,  
impossible. Worked till about 8AM  
on road 2 to about 1500 feet + the

drove down to Coyote and back to HPA at 1 PM. <sup>(A)</sup> Birds were fairly numerous and active, even in fog. Coyote road and most of lake mainly clear and sunny, clouding over more in Ptz.

3:45-7:00 PM S of Catonac on Coyote road for 10 miles to good bird name on left side of road (1600' elev.) <sup>(newer)</sup> <sup>(B)</sup> return.

1 Ruf. Tinamou A	8 T. Vulture
49 Least Grebe <sup>L. cat.</sup>	2 Roadside H. A
8 P.-bi. Grebe	1 Br.-mi. H. A ✓
45 Oliv. Cormorant	1 Cooper's H. A ✓
2 Gr. Heron	3 Gray Hawk <sup>A-2</sup> <sup>B-1</sup>
2 T. Bl. Heron A	1 Laughing Falcon A
1 Corn. Egret A	9 Sparrow H. ✓
35 Snowy Egret <sup>L. cat.</sup>	1 poss. Pigeon H. <sup>obscure</sup>
1 Tricolored Heron A	14+ Pl. Cochaoca
3 Blue-w. Teal <sup>L. cat.</sup>	35 Am. Coot - L. Cate. <sup>C. Gallinule</sup> ✓
60 Lsr. Scaup	3 Am. Jacana A
30 Ruddy Duck ✓	45 Red-bi. Pigeon
30 Bl. Vulture	1 R. Ground Dove

30 Laughing Gull ✓ 37  
 15 Gull-bd. Tern ✓ L. Cate. - So. end  
 3 Royal Tern ✓

2 mind. large pants A 205c. - tail. Flyc. ✓ A  
 25 Gr.-bi. Ani A 8 Trop. Kingb. 1-18  
 1 prob. Lar. Nighthawk <sup>5 of 8</sup> 3 Piratic Flyc. A

1 Vant's Swift 4 Boat-bi. Flyc.  
 2 Violet Sabrewing A 12 Vermilion. Pge.  
 1 Rufous-t. Hummer (B) 6 Gr. Kiskadee A

10 mind. hummer 10 Bushy-c. Flyc.  
 1 Bar-t. Tropic 1 Gr. Crested Flyc. ✓ A  
 1 Violaceous Tropic A 4 Rough-wi. Sw.  
 1 Ringed Kingg. L. cat. 1 Mangrove Sw. A

1 Blue-cr. Motmot A 60 Brown Jay  
 2 Keel-bi. Toucan B 2 Green Jay 1500'  
 1 Golden-olive Wdp. (B) 1 Band-t. Wren (B)  
 17 Golden-gr. Wdp. 9 Spot-t. Wren  
 1 Ivory-bi. Woodcr. 3 Wh.-br. Wood-Wren.  
 1 Rufous-b. Spinetail A 10 Clay-col. Robin <sup>4-1500</sup> (B)  
 1 Barred Antshrike A 5 Bl. Gray Gnat. ✓  
 1 Br.-r. Attila <sup>5</sup> 1600' 1 Wood Thrush ✓ 1600'  
 2 Rose-th. Boccaro (B) 10 Cedar Waxwing ✓ B-14  
 5 Marsh Titgra A 1 R.-br. Peewee (B)  
 1 Black. Phoebe L. cat. 2 Bobolink <sup>5</sup> 1500'

1 Bl. + wh. Warbler ✓ 1500	3 Yellow-thr. Euphoni (B)
1 N. Parula W. (B)	10 Yell.-wing. Tan.
2 Magnolia W. (B)	mid. Ant-T.
1 Yellow W. A ✓	5 Buff-thr. Saltator (B)
2 Myrtle W. 1-B ✓	2 Grayish Salt. (B)
6 Gray-cr. Yellowthr. A	15 Indigo Bunting ✓ A
1 Com. Yellowthr. (B)	2+ Blue-bl. Grosbe.
1 Wilson's W. ✓	1 Bl.-bl. Grosbe. 1500
3 Amer. Redstart <sup>1600</sup> (B)	4 Yell.-face. Gros. A
1 Gold-cr. W. 1600	100 Wh.-coll. Saltator
30 Mont. Grosbeak A	2 Ch.-cap. Br.-Finch <sup>1600</sup> (Coffea)
1 Yell.-br. Cacique <sup>1600</sup>	4 Olive Sq. <sup>2-1600</sup>
4 Giant Cowbird A	2 Rusty Spar. <sup>1600</sup> A
75 Bronzed Cowbird A	7 Lincoln Sq. ✓
60 Boat-t. Gr.	
30+ Melod. Blb. (B) <sup>A</sup>	
2 Yellow-tail. Oriole (B)	
2 Orchard Oriole A	

March 28, 1960 Mon.

HPA

51345.1 cool, fair, clear to  
few clouds to north B-A

B-A 7:AM. 69°F 3PM max. 86°

Clouds rapidly dissipated on slopes  
but it remained partly cloudy most of day.  
Worked down road 1 to end and then  
up trail A to 2200' elev. Howler mon-  
key was roaring about 7 AM but soon  
ceased. Did not observe it. At 2000'  
elev. on Trail A I succeeded in calling  
up one and possibly two ~~big ones~~  
trivianas about 10:00 AM. By re-  
peated answering calls for about 10-15 min.  
one came in from the W (approx. 3-400  
yds) and approached to 20 ft. I could  
hear its feet rustle in a forest floor  
before I saw it. Bird walked around  
for few seconds looking at me and  
then made off. A few minutes later  
I saw probably another running from  
the forest a few yards above and  
to the east. Had heard two  
calling from opposite directions  
and heard them afterwards not far  
away. Harold found a small snake  
under a log about 2000' up. It  
was blackish with a rust color

patch on wood. At about 1500' on wood  
I about 300 yds from B-A I saw a 1:30 PM  
large animal on a fallen (cut) tree  
at the edge of a dense section of  
vegetation at the forest edge. It  
was fairly large (total 3 1/2-4 ft)  
with medium length tail about 1 1/2 ft.  
a fairly blunt head profile and  
a long tail (about 1 1/2 feet). It  
appeared all black except for the  
head which was mostly grayish  
white. It ran rapidly along the  
tree trunk and turned into the  
dense underbrush where I could  
hear it moving. We squeaked  
but it did not appear again. a Tayra!

Cutting is progressing on the lower  
slope (SE) of the forest mountain  
and a majestic tree which  
towered over the forest is down.  
A sorry sight to see such  
destruction. Also saw a <sup>green</sup> lizard  
at B-A

4 Rufes. Tinamou	1300	2 Ringd. Kingf.	L. cat.
	1600		sof. H.A.
3000			
1 Least Grebe	1. cat.	1 Tody Motmot	2000
2 Oliv. Cormorant		1 Blue-cr. Motmot	1800
5 Green Heron		1 Keel-bi. Toucan	1600
1 L. Blue Heron		1 Golden-gr. Wolfe.	
20 Snowy Egret		goss. Iway-bi. W.-coll.	
8 Bl. Vulture		1 Barred Antshrike	2. 1
4 T. Vulture		2 Br.-ring. Attila	1500
1 Roadside Ht.		4 Masked Tityra	1500
1 Gray Ht.	B-A	2 Trop. Kingb.	2-B-A
1 White Hawk	1800	1 Piratic Flyc.	1600
3 Sparrow Hawk	✓	2 Boat-bi. Flyc.	
10+ Pl. Chachalaca	1. cat.	6 Vermil.-cr. Flyc.	2-B-A
2 Laughing Gull	✓	1 Gr. Kiskadee	1600
10 Red-bi. Pigeon		1 Gr. Crested Flyc.	1600
2 Short-bi. Pigeon	1408	8 H. - cap. Flyc. alt.	
1 Inca Dove	HPA	1 W. Wood Pewee	B-A
1 Squirrel Cuckoo	1500	2 Yell.-bell. T.	TV. A 1600
1 Penruque nite before	HPA	10 Rough-wi. Sw.	B-A
12 Vamp Swift		3 Tree Swallow	1. cat.
10 mind. hummer.		1 Mangrove Sw.	
1 Bar-tail Tropic	1500	4 Green Jay	1600
			1500

14 Brown Jay <sup>5 of</sup> B-A

5 Sp.-br. Wren <sup>1500</sup> 1600

7 Wh.-br. Wood-W. <sup>1500</sup> 1800

4 Wh.-thr. Robin <sup>1600</sup> ~~1700~~ A <sup>1600</sup>

10 Clay-col. Robin <sup>1600</sup>

1 Sl.-col. Solitaire <sup>1800</sup> 1600

4 Bl.-gray Grat. <sup>1500</sup> ✓

1 Catbird 1600 ✓

1 Yell.-gr. Vireo 1500

1+ Gray-h. Gratz. <sup>2000</sup> ~~1500~~

30 Red-l. Tanager 1500

2 Bl.-thr. Gr. W. <sup>1500</sup> ~~2000~~

1 C. Yellowthr. B-A ✓

2 Gray-cr. Yellowthr. B-A

1 Am. Redstart <sup>1600</sup> ✓

6 Gold-cr. W. <sup>1500</sup> ~~2000~~

2 Rufous-cog. W. B-A

1 (7) Hooded W. <sup>1400</sup> ✓

10 Wilson's W. <sup>1600</sup> ~~1400~~ alt. ✓

2 M. Oropendola <sup>5 of</sup> 1600

200 Boat-t. Gr. <sup>5 of</sup> B-A

4 Meadowlark B-A

6 Orchard Oriole ✓ B-A

1 Bl.-couled Oriole B-A

1 Yell.-thr. Empidonax <sup>1600</sup>

---

2 Blue-gray Tan. B-A

6 Yell.-wing. Tan. <sup>15-1600</sup>

1 Wh.-w. Tan. 1600

1 Red-cr. Ant-T. 1500

1 Bl.-face. Gratz. 1500

1 Bl.-bl. Gratz. B-A

20 ~~Yell.~~ Wh.-coll. Tude. <sup>45</sup>

3 Bl.-bl. Gratz. B-A

4 Indigo Bunt. <sup>1500</sup> B-A

1 Painted B. <sup>1600</sup> ✓

1 Olive Spar. <sup>1600</sup> ~~1500~~

1 Rusty Spar. B-A

20 Lincoln's Sp. B-A ✓

one group feeding

mostly on our grain

March 29, 1960 Tues

H. P. A.

fair, clear 51353.8 B<sup>to</sup>A.

71° F - 6:30-12:00 on Coyane Rd  
 may, 89° F - noon, for lunch & to  
 wind S-SSW 15-35 mph. with slight  
 decrease during day. Hazy later in  
 day as usual. Wind hampered  
 observation and hearing of sounds.  
 Birds did not appear to be quite as  
 active as they have been at times  
 in cooler, calmer weather. Worked  
 down road 2, also on trail to spring,  
 down Trail B to Dos Anates, and  
 from trail B westward on two trails  
 which led to road 1. Worked from  
 Dos Anates on road 3<sup>between two small hills</sup> W and N for  
 about  $\frac{3}{4}$  mile - here (1000-1200) corn  
 fields, pasture, and scrub forest. The  
 higher hills are reported to be west but  
 V.S.M. is not visible. There are con-  
 siderable sections of dense bamboo on  
 the two subtrails to the W off trail

B. These sections appeared to have relatively few birds in them compared to section in broadleaf vegetation. Found a large leaf cutting out hill in a clearing on one of these trails (about 6-8 ft diam.). and another on trail B. Native appear to take advantage of <sup>fresh</sup> south wind in order to burn vegetation in areas they have cut.

2 Rufes. Tinamou	<sup>1100</sup> 1400	6 Laughing Gull	<sup>L. Cate.</sup> ✓
6 Oliv. Cormorant	<sup>L. Cate.</sup>	6 Red-bi. Pigeon	
6 Green Heron	HPA	1 Sh.-bill. P.-head?	
2 L. Blue Heron	<sup>L. Cate.</sup>	1 Inca Dove	HPA
40 Snowy Egret	<sup>L. Cate.</sup>	3 R. Ground Dove	<sup>1-8 ft</sup> <sup>annual</sup>
4 Bl.-cr. R. Heron		8 Gr.-bi. Ori.	↑
20 Bl. Vulture		1 Gr.-br. Mango	<sup>1300</sup>
8 T. Vulture		1 Rufous-T. H.	1000
1 Broad-w. H. <sup>over</sup>	<sup>edge</sup>	1 Bar-T. Tropic	1400
1 Sharp-sh. H. "		1 Ringed Kingg.	<sup>L. Cate.</sup>
3 Cr. Caracara	<sup>2-3</sup>	1 Keel-bi. Toucan	<sup>1400</sup>
3 Sparrow H. <sup>5%</sup>	<sup>8-10</sup>	6 Golden-rg. Wrynn <sup>var.</sup>	
6+ Pl. Chachalaca	<sup>4+ slope</sup>	1 Ruf.-br. Spinetail	<sup>1100</sup> Rd. 3

1 Barred Antshrike	J <sup>o</sup> A	5+ M. Oropendola	nest - Cognac Rd.
1 Br.-r. Attila	1600	50 Br. Cowbird	HPA
1 Sc.-t. Flye.	✓ HPA	150 Boat-t. Gr.	HPA
2 Boat-bi. Flye.	1000	2 Mel. Blb.	HPA
4 Vermil.-cr. Flye.		1 Orchard Oriole	✓ 1000
2 Gr. Kiskadee	HPA	4 Yell.-wi. Tan.	
1 Br.-cr. Flye.	1000	1 Blue-br. Grosb.	1500
3 D.-cap. Flye.	var.	10 Indigo Bunt.	✓ 1000
1 Gr.-cr. Flye.	✓ Cognac Rd.	2 Yell.-face Gr.	1000
8 Rough-wi. Sw.	5-A	2 White-coll. Seal.	1100
2 Green Jay	1400		
33 Brown Jay		very poor day	
5 Spot-br. Brew	1000	for birds.	
5 Wh.-br. Wood Ws.	1600		
2 Clay-col. R.	HPA	winds were	
1 Bl. Gray Grat.	1100 ✓	too high	
1 Yellow-gr. Vireo	1400	and day was	
1 Red-l. Tanager.		very hot, and	
1 Bananaquit	1000	we spent covered.	
5 Wilsons W.	✓ var	time in bamboo	
8 Golden-cr. W.	alt.	thickets -	

March 30, 1960 Tues HPA  
Fair, clear 76°<sup>top</sup>  
5136516 wind at first S 5-10  
then N-NE 5-20

6:15 - 3PM max. temp. 80° (3PM)

Grackles, roosters start calling  
between 4 and 5AM joined by Clay-col.  
Robins + Parakeets. At first  
clear but by 8-9 AM fog from over bay  
& lowlands was moving up on slopes  
until it reached over 2000'. By 11:30  
PM the mist became broken and by  
3PM it was partially clear with higher,  
cumulus clouds (thin) & some mist.  
Birds were very active and there was  
considerable song. We walked Road 1  
to Trail A along trail A to NW  
clearing trail, down this & back  
on trail A up to 2100' & return  
to B-A. Howler monkey was sitting  
in tree just to NW of place we  
saw it before on trail A and it  
came down to about 45 feet above

we and watched - very curious, cutting continues on E mountain base at B-A and trees could be heard falling about every 10 minutes. Short-billed Pigeons heard calling and also 'giving'; one pair seen together - first time. Two Golden Gr. W. Flyer. Cuckooing. Attila sings regularly now. At 2:00 in heavy low forest a Buff-thr. Flycatcher - however quite excited - possibly a nest but likely because it was startled.

3 Rufesc. Tinamou	1400	8 + Pd. Chachalaca	3875 <sup>on</sup>
1 Least Grebe	L-Cate	4 Laughing Gull	✓. Cate.
7 Oliv. Cormorant		6 Red-bc. Pigeon	
6 Green Heron	HPA	5 Short-bi. Pigeon	1500 1400
40 Snowy Egret	L-Cate	1 Indigo B. H.P.A	
20 Bd. Vulture		2 Ruddy Gr.-D. B-A	
6 T. Vulture		1 Wh.-Tig. Dove	1500
2 Sharp-sh. H. <sup>own</sup>	✓. Cate	25 Vamp's Swift	
38 Broad-w. H.	✓. <sup>4 - 8:30</sup> rest 1:00-3PM		
2 Gr. Bl. Hawk	11	2 Long-t. Hermit	1300 1400

1	Violet Sabre-w.	1300	1	Yell.-bell. Flyc.	✓ 1300
2	Bar-tail. Tropic	1400	13	Rough-w. Sw.	14-0-A
1	Violaceous Tropic	1400	1	Mangrove Sw.	HPA
1	Ringed King	HPA	2+	Green Jay	1800
2	Blue-cr. Motmot	1500	12	Brown Jay	
2	Emerald Toucanet	1400	4	Band-b. Wren	GA
1	Keel-bi. Toucan	1400	5	Spot-b. Wren	1300 var. etc.
3	Gold-olive Wdpk.	8-A 1400	1	So. House Wren	8-A
3	Gold-gr. Wdpk.	1600	7	Wh.-br. Wood W.	var. etc.
1	Olivaceous Woodr.	1300	2	Wh.-thr. Robin	1600 1700
3	Ivory-bi. Wdpk.	1700 1800	6	Clay-col. Robin	1600
1	Buff-thr. Flyc.-Gld.	2100	1	Sl. Col. Solit.	1700
1	Barred Antthr.	8-A	1	Green Shr.-Vireo	1700 var. etc.
1	Br.-rung. Attila	1400	3	Yell.-gr. Vireo	1400
4	Masked Tityra	8-A 1400	1	Gray-head. Gr.	1400
6	Sc.-tail. Flyc.	HPA	10	Red-l. Honeycr.	var. etc.
2	Tropic. Kingbr.	B-A	2	Bananaquit	1500 1600
4	Boat-bi. Flyc.	1300 1600	1	Bl.+Wh. Warbler	1400
2	Gr. Kiskadee	B-A	2	Bl.-thr. Gr. W.	1400
4	Drusky-cap. Flyc.	var. etc.	1	Magnolia W.	1600
1	W. Wood Pewee	B-A			

1 Worm-eating W. <sup>road</sup> 1500  
 2 Gray-cr. Yellowthr. <sup>B-A</sup> 1400  
 10 Wilson's W. <sup>var.</sup> ~~act.~~ 1600  
 1 Am. Redstart <sup>✓</sup> 1400  
 10 Golden-cr. W. <sup>var.</sup> ~~act.~~ 1600  
 2 Rufous-cr. W. <sup>B-A</sup> 1600  
 8 M. Oropendola <sup>B-A</sup> 1500  
 80 Br. Cowbird HPA  
 150 Boat-t. Gr. <sup>4-B-A</sup> 1600  
 6 Melo. Blb. <sup>3-B-A</sup> 1600  
 3 Bl.-com. Oriole 1600  
 2 Yell.-thr. Eng. 1500  
 2 Blue-Gray Tan. HPA  
 8 Yell.-wi. Tan. <sup>6-slope</sup> 1500  
 40 Red-thr. Ant-Tan. <sup>✓</sup> 1600  
 6 Bl.-faced Gr. 1600  
 2 C. Cardinal B-A 1600  
 8 Indigo Bunt <sup>✓</sup> 1400  
 1 Blue-bl. Grosbeak <sup>1600</sup>  
~~Yellow-race Gr.~~  
 20 Wh.-cre. Seede <sup>B-A</sup> <sub>(5)</sub>  
 5 Blue-bl. Grosbg.

March 31, 1960 Thurs. HPA

51374.3 67°<sup>F</sup>

<sup>to</sup>  
B-A

fair, cloudy early, clearing by 9-10AM  
6:15-1600 PM

• 2 rainbarometers overnight.

Max. temps 85° 1PM C-A wind 0-15 mph S-SW.  
Worked down road 1 to Trail A, up  
trail A 1 and then NW on Trail A  
to junction with clearing trail, down  
clearing trail and then return same  
route to C-A. Birds were quite active  
and singing. Howler monkey was  
roaring at 6:15. + to S.A. and S. Tuxtla  
2-5 PM

3 Rufescent Tiaromou	<sup>1400</sup>	1 White Hawk	1500
4 Least Grebe	L. Cat.	1 Gr. Bl. Hawk	<sup>1800</sup> down C-A
8 Oliv. Cormor.	1	10 <sup>+</sup> Pd. Chachalaca	13-1700
6 Green Heron	HPA	1 Laugh. Gull	<sup>L</sup> Cat.
25 Snowy Egret	L. Cat.	3 Red-bi. Pigeon	1-1500
100 Bl. Vulture		3 Short-bi. Pigeon	<sup>15</sup> -1600
8 T. Vulture		1 Inca Dove	HPA
1 Wh.-t. Kite -	hanging over road	about 60' in air	
2 Br.-wi. H. -	<sup>1500</sup>	3.5 mi. W of Catem	
2 Ruddy Gr. H.		2 Ruddy Gr. H.	HPA

44  
found 7' 10" Judge's Snake Dr. O. R. (some  
day) 2.5 mi. E of Santiago T.

Purpleish-b. Quail-Wire 1700' Trail A

2 Green Parakeet 2 mi. W S.A.T.

2 small, large parrots B-A over E mt.

1 Squirrel Cuckoo 1300	1 Gr. Kiskadee B-A
6 Gr.-bi. Ori 5.9. T. 100. 6 H.-cap. Flyc. <sup>over</sup> aet.	1 W. Wood Pewee B-A.
4 Pauraque <sup>HPA</sup> 1-B-A	15 R.-wi. Swallow <sup>3-B-A</sup>
10 Vamp's Swift <sup>over</sup> scope	1 Bar-tail. Tropic 1600
1 Bar-tail. Tropic 1600	2+ Green Jay 1700
3 Violaceous Tropic <sup>1600</sup> 1400	15 Brown Jay 2-B-A
3 Blue-cr. Motmot <sup>8-A</sup> 1200	5 Spot-b. Wren 14-1600
1 Emerald Toucanet <sup>Trail A</sup> 1500	1 Wh.-br. Wood Wren <sup>13-1600</sup>
1 Golden-olive Wdp. <sup>1500</sup>	5 Wh.-thr. Robin 1-B-A
3 Golden-gr. Wdp. <sup>1500</sup> 1600	10 Clay-cd. Robin 2-1600
1 Oliv. Woodpecker <sup>Trail A</sup> 1600	1 Sl. col. Solitaire 1900
2 Ivory-bi. W. 1600	2 Yellow-gr. Vireo <sup>1500</sup>
1 Barred Antsh. <sup>8-A</sup>	1 Gray-head. Gr. 1500
1 Scaled Antpitta <sup>Trail A</sup> 1700	15 Red-l. Honeyc. <sup>15-1600</sup>
2 Br.-r. Attila <sup>14-1600</sup>	2 Bananaquit <sup>B-A</sup> 1600
8+ Mashed Titgas <sup>14-1600</sup>	1 Worm-eating W. <sup>over</sup> 1500
1 Sciss.-t. Flyc. <sup>8-A</sup>	1 Trop. Parula W. 1600
2 small, streaked flyc. <sup>B-A</sup> 1600	1 Magnolia W. <sup>HPA</sup> <sup>V</sup>
4 Boat-bi. Flyc. <sup>1600</sup>	2 Bl.-th. Gr. W. <sup>V</sup> 1500

1 Wood Thrush ✓ Trail A  
 1 Hooded W. 1400 ✓  
 1 C. Yellowtar ✓ B-A  
 2 Gray-cr. Yellowtar S.A. ✓ B-A. 6 Bl.-cowl. Oriole B-A  
 4 Wilson's Warbler ✓ var. 3 Yell.-thr. Euphonia 1600  
 8 Golden-cr. W. 15-1700 ✓ B-A  
 2 Ruf.-cap. W. 1500 ✓ B-A  
 7 Mont. Grosbeak B-A 2 Bl.-gr. Tan. HPA.  
 5 Giant Cowbird - flying over Road 1 1600  
 100 Bronz. Cowbird L. cat. 1 Red-cr. Ant.-Tan. 1600  
 (var. others)  
 150 Boat-t. Gr.  
 2 Melo. Bblbird. B-A 7 Bl.-face. Grosb. 1500  
 5 Indigo Bunt. ✓ 1500 1 C. Cardinal B-A  
 1 Painted B. ✓ 1600 4 Wh.-coll. Sead. B-A  
 4+ Chas.-cap. Bl.-F. 1600 2+ Bl.-bl. Grosbg. B-A.  
 (apertus)  
 one half the gray of  
 sides extending more  
 toward center of breast 2 Olive Sp. 140 1600  
 leaving little white apparent. 1 Rusty Sp. B-A  
 10 Lincoln Sp. ✓ B-A.

April 1, 1960 Frid. HPA  
 to  
 B-A.

51424, 6 fair, clear, wind S-SW  
 barometer ↓.2 temp. 78° 15-40  
 6:15 - 12:15 ← 89° - B-A.

This was a very wind day. Also there was less below B-A and around Cerro, it was still strong enough that there was little singing and little could be heard. It was also very difficult to see movement as foliage, even on north + NE side of mountain, was moving so much. From 12:15<sup>0</sup> to 1:20 we drove down Cotacoco Rd. 1.5 mi. to base of mt. Between 12:30 + 1:15<sup>0</sup> we had 317 Broad-winged Hawks moving fast and quite high over ridge to N + S of it. They did little soaring when in view but kept in a fast glide. Worked along road, to trail A, then on trail A<sub>1</sub> and then NW and up on Trail A to top of Cerro 'Norte' 2200'. Although there are some medium size trees the top of the cerro is covered mainly with low, rather dense trees + shrubs. The top is fairly level or slightly rounded for about 40-50' in diameter. A view can be obtained to the S to Cerro

"Sud", appearing to be about 300 yds away and 100 feet higher. A view toward the W and NW can be gained to the next peak which appears to be at least a mile away. Unbroken heavy forest continues to the south peak from a 'saddle' (about 200' in depth) and to the curve to the west, the latter several hundred feet higher than Cerro 'Norte'.

1 Rufes. Tinamou <sup>1500</sup>	2 Sparrow Hawk ✓
6 Least Grebe <sup>L. Cat.</sup> HPA	2 Am. Coot - L. Cat. <sup>NW</sup>
4 Pink-b. Grebe <sup>?</sup>	1 Grebe Horn HPA
4 Oliv. Cormor.	3 Ruddy Gr.-B. Horn HPA
6 Green Heron <sup>?</sup>	4 Groove-bi. Ani- <sup>3/4 A</sup> BA
12 Snowy Egret	10 B. Vaux's Swift <sup>over</sup> slope
25 Bl. Vulture	12 Gr.-br. Mano HPA
5 T. Vulture	1 Bar-t. Tropic <sup>1400</sup>
2 Sharp-sh. H. <sup>over</sup> <del>size</del>	1 Violaceous Tropic <sup>1500</sup>
319 Broad-w. H. <sup>2</sup> <del>over</del> <u>in Yach.</u>	
1 Gray Hawk - Cognard. <sup>L. Cat.</sup>	1 Ringed King <sup>NW</sup>
1 White Hawk 1800	1 Keel-bi. Toucan <sup>1700</sup>

3 Laughing Gull L. Cate ✓

Walked N along shore L. late <sup>evening</sup>  
4-5:30 PM from HPA.

1 Golden-olive Wdpss.	1600	1 Bl. & Wh. Warbl. ✓ 1500
4 Golden-gr. Wdpss.		1 Trop. Parrot W. 1800
1 Oliv. Woodcr. 1600		1 Magnolia W. ✓ HPA
5 Mashed Titgr. 1600		1 Bl.-tan. Gr. W. ✓ 1500
2 Boat-bi. Flyc. 1600		1 Crestedbird ✓ HPA
2 Vermil.-cr. Flyc. HPA		1 C. Yellowthr. ↑
3 Gr. Kiskadee ♂ cogen		1 Hooded W. 1800
7 Pewee-cogen. Flyc.		4 Wilson's W. ✓ act.
1 W. Wood Pewee 1500		7 Golden-cr. W. to 2000+
5 Rough-wi. Swallow	3-8-A	4 M. Croyenda cogen. ✓
2+ Green Jay 15-1700		50 Boat-t. Gr. HPA
15 Brown Jay		2 Melod. Blb. ↑
7 Spot-b. Wren	14-1600	7 Orchard Oriole ✓ HPA
6 Wh.-bl. W. Wren	14-2000	2 Baltimore Oriole ✓
1 S. House Wren B-A-4-S.		2 Yell-the. Engl. 1600
3 Clay-col. R. HPA		2 Bl. gr. Tanager HPA
1 S. - Col. Sol. 1900		3 Yell-wi. Tan. 1600
1 Bl.-gr. Grat ✓ 1500		1 Red-the. Art Tan 1500
2 Yell-gr. Vireo 1400		act. others mixed
1 Gray-h. Grn. 1500		
30 Red-l. Tonga. 15-1600		1 Bl.-face. Grat. 1500
1 Bananaquit 1800		1 Blue Grb. ✓ HPA

6 Indigo Bunting	<sup>3-1500</sup> HPA	1 Lincoln Sp.	<sup>1400</sup> ✓
1 ♂ Painted Bunt			
3 Yell.-fac. Gras.	B-A		
7 Wh.-coll. Seed.	<sup>2</sup> B-A HPA		
4 Bl.-bl. Gras.	HPA		
8 Dark-bl. Gras.	↑		

April 2, 1960 Sat. HPA

fair, clear

$50^{\circ}$

$76^{\circ}$   $51,436,5$

6:15 - 11:30 to Coyote Rd  
wind S-SSE 10-20 + lunch tree to 2:00  
+ temp.  $86^{\circ}$  at 11:30  $90^{\circ}$  in shade

shade clouds - fog rise

very N slope about 8AM + again  
at 1PM - due to updraft from  
southerly side, land insulation and  
cooler ocean + Santa Barbara Bay?

Worked Road 1 to end, Trail A 1 in  
part, and Trail A to 1600' just  
before abrupt rise. Then down

B-A - 75 yds wide min.  
100+ yds wide max. between elev. slopes

South cross trail from lookout, up  
Trail B to Road 2 and B-A. Also  
down spring trail. Wind, after  
rain, did not restrict observation  
as much as yesterday. Most birds  
along Trail B. 3:20-5:30 PM  
walked north along S. Catemaco  
about from HPA for about 1/2 mi.

Many birds in evidence as there  
were y. Today. Transients have  
fifteen from live tree (about  
1 mile. SE from B-A) on Coyane Rd.  
from 11:55 to 12:50 - ad 5000.

Hawks soared over ridge, mostly  
on N. side trading WNW. They  
were mostly all Broad-wings. They  
would build up in large glows over  
one to three points (thermals)  
and then set-glide WNW - a  
wonderful and exciting sight. 1000  
passed in about 5 minutes. Have  
seen squirrels at various times.

water the gray trees - waded  
down from one. Flushed two  
dark tailed doves from road 1.

They very likely were Quail-Doves.

3 Rufous. Firetail	14-1700	1 Amer. Coot L. Cat.
5 Least Grebe	4 Cat. NW	4 Laughing Gull ✓ 2 Gull-b. Tern ✓
12 Pied-b. Grebe		
8 Oliv. Cormorant		1 Red-b. Pigeon
8 Green Heron		2 Short-b. Pigeon 1600
3 Little Bl. Heron		5 Inca Dove HPA
55 Snowy Egret		8 R. Ground-Dove HPA 3-B-A
1 Gr. Blue Heron	✓	1 Gr.-bill. Tern
40 Bl. Vulture		1 Parague HPA
10 T. Vulture		20 Vandyke Swift over 1500
3 Sh.-sh. Hawk	2 over area	1 Long-t. Kestrel 1500
500 Broad-w. Hawk	✓	1 Violet Sabre-w. 1500
50 Swainson's Hawk	✓	1 Green-b. Mango HPA
1 Roadside Hawk	1400	4 Bar-t. Tropic 14-1600
1 Osprey - Coyane	PA.	3 Violaceous Tropic 14-1600 PA.
5 Sparrow H.	✓	2 Ringed King N. Cat.
1 <u>Aplomado Falcon</u>	1:30 - going E over Coyane Rd.	
4+ Pl. Chachalaca		2 Bl.-cr. Motmot 14-1700

2<sup>(u)</sup> Colored Aracari 1500  
 2 Golden-kr. Wdp. 1400  
 8 Golden-kr. Wdp. 1500  
 1 Oliv. Woodpecker 1400  
 1 Ivory-bi. Wdp. 1400  
 1 Buff-thr. Fol.-Gl. 1400  
 3 Bl. rump. Atta 1500  
 6 Masked Tityra 15-1600  
 2 Trop. Kingb. 5<sup>off</sup>  
 1 prob. Sul.-coll. Fg. B-A  
 7 Gr. Kiskadee HPA-5  
 1 Gr. Cr. Eye ✓ Cognac  
 6 R.-capp. Eye. aet.  
 1 W. Wood Pewee 1500  
 8<sup>+R.</sup> R.-wing. Sw.  
 2<sup>+</sup> Green Jay 14-1600  
 20 Brown Jay 1-B-A  
 6 Spot-br. Wren 1-L. cat  
 7 Wh.-br. W. Wren var.  
 1 C. Mockingbird L. cat.  
 10 Wh.-thr. R. 1500  
 8 Clay-coll. Robin 3-1400

3 Yell.-gr. Vireo 1400  
 5 Gray-h. Grnk. 1500  
 25 R.-l. Honeyc. 15-1600  
 1 Bl. + wh. W. ✓ 1400  
 1 Bl.-thr. Gr. ✓ 1500  
 3 Magnolia W. 1400  
 1 La. Waterthrush L. cat.  
 1 Gray-cr. Yell. -B-A  
 1 Yell.-br. Chat ✓ 1600  
 9 Wilson's W. ✓ alt.  
 2 Am. Redstart 1500  
 10 Gold-cr. Warb. 1500  
 4 Ruz.-capp. Warb. 1500  
 4 M. Oropendola 1-1500  
 3 Giant Cuck. ✓  
 100 Br. Cowbird - HPA  
 125 Boat-t. Gr.  
 9 Mel. Blb.  
 2 Balt. Or. HPA  
 1 Bl.-coll. Oriole 1600  
 7 Yell.-thr. English 1400  
 2<sup>+</sup> Yell.-w. Tan. 1400

1 Cr.-coll. Tan. 1400  
2 Red - cr. Art-T. 1400  
4 Buff-thr. Salt. 1400  
4 Bl. face. Gross. 1500  
1 C. Cardinal B-A  
6 Indigo Bunt. ✓  
1 ♀ Painted B. ✓ L. Cat. NW  
3 ~~Bl.~~ Yell - g. Gross. B-A  
35 Wh.-coll. Tanager <sup>245</sup>  
→ 6 Bl.-bl. Gross. <sup>2-B-A</sup> #  
14 B.-b. Goldg. L. Cat. NW  
2 Chest.-ca. Ba.-F. 1400  
(agouti)

1 Olive Sparrow 1500  
1 Purty Spar. B-A  
6 Lincoln Sp. B-A

Grocatoma  
have been  
absent  
long from  
area - nesting?

April 3, 1960 Sun. HPA

<sup>12:00</sup>  
to  
B-A

51 448.3 68°7 B-A

fair, clear, then clouding from N, 7-8 AM

6:30<sup>AM</sup> 1:30 PM B-A (only clouds moving slow S.E.)

Wind N-NW at first & then increasing

9:10 AM To 40-50 mph NW - chaotic

sky, clouds rolling up from Gulf, higher clouds, moving slightly S. as cool air underruns warm. Patches

of blue sky here & there. After 10 AM

increasing clouds and lowering

ceiling until mountains are

partly covered and whole sky

overcast. Clouds rolling in and

lake at low levels, especially thru

Coyane gap. V.S.M. enveloped.

Worked down road 2 to Trail

B and down almost to side trail

south, and then return to B-A.

B-A till 1:30 PM. Birds being

active and singing. Hawks

began to go over base area for 9AM  
and continued until we left.

Many went over in the clouds and  
were not seen.

3 Rufes. Ternanou <sup>1400</sup> 15 Least Grebe <sup>L.Cate.</sup> 10 Pied-b. Grebe 40 Oliv. Cormorant 5 Green Heron 1 L. Blue Heron <sup>over</sup> B-A 30 Snowy Egret <sup>L.Cat.</sup> 1 Bl.-ch. N. Heron 130 Bl. Vulture <sup>68</sup> <u>vic Catamaco</u>	2 Osprey <sup>L.Cate.</sup> 1 Cr. Caracara <sup>5 of</sup> L.Cat. 9 <sup>+</sup> Pl. Chachalaca <sup>3-1900</sup> 15 Am. Coot L.Cate. 3 Western Sandp. <sup>L.Cat.</sup> SW 60 Fer. Scap. <sup>flying</sup> L.Cate. 30 Laughing Gull <sup>L.Cat.</sup> 4 Gull-bi. Tern 1 Royal Tern 10 Red-bi. Pigeon <sup>5 on slope</sup> 2 Sharp-sh. Hawk B-A 550 Broad-w. Hawk B-A - 9:20 - 11:35 57 Swainson's Hawk <sup>1</sup> 3 Roadside Hawk <sup>2</sup> <u>lively met Trail</u> B-1400'
1 Wh-t. Kite <sup>wedge</sup> <u>of Catamaco</u> 1 Swainson's Hawk B-A 3 White Hawk - soaring over slope 1 Sparrow Hawk B-A	1 Wh.-wing Rose B-A 1 R. Ground D. 1 Wh.-tigzel Rose <sup>over</sup> 1500

50

2:30 - 5:45 - drove to Catemaco  
+ SE 10 mi. to bird area + return to  
HPA. - cool, cloudy, wind - poor for  
land birds

1400 flies over  
mid. Parakuts 27

" parrot 7 1700

1 Paraque HPA

2 Wh.-col. Swift <sup>over</sup> slope

80 Vamp'c Swift <sup>30</sup> B-A + slope

2 Long-tailed Hermit 1400

1 Green-br. Mango B-A

1 Bar-t. Tropic <sup>1400</sup>

1 Violacea Tropic <sup>1400</sup>

2 Ringed King <sup>L.Cat.</sup>

1 Bl.-cr. Motmot <sup>B-A</sup>

3 Golden-gr. Wdpn. <sup>2-1600</sup>

1 Ivory-bi. W. 1600

1 Barred Antsh <sup>14</sup> B-A

2 Bl.-rump. Atlita <sup>14-1600</sup>

6 Masked Titgra <sup>B-A</sup> <sup>1400</sup>

13 Sc.-t. Flyc. <sup>over</sup> <sup>B-A</sup> <sup>1500</sup>

1 Boat-bi. Flyc. 1500

2 Vermil.-cr. Flyc. <sup>10 m.</sup> <sup>SE Cat.</sup>

2 Gr. Kiskadee

4 Rg.-capp. Flyc. <sup>1500</sup>

1 W. Wood Pewee B-A

60 Gray-br. Martin <sup>L.Cat.</sup> <sup>54</sup>

2 Barn Swallow ✓

1 Bank Swallow ✓

8 Rough-w. Sw. B-A

2 Mangrove Sw. L.Cat.

2 Green Jay 1400

4 Spot-br. Wren <sup>1500</sup>

4 Wh.-br. W. Wren

1 So. House Wren B-A

5 Wh.-thr. Robin <sup>14-1600</sup>

6 Clay-col. Robin <sup>14-slope</sup>

1 Slate-col. Sol. <sup>1900+</sup>

no Grateater !!

2 Yell.-gr. Vireo <sup>1400</sup>

15 R.-l. Tongue. <sup>15-1600</sup>

1 Bonapart <sup>1400</sup>

1 Nor. Parula W. <sup>1400</sup> ✓

1 Yellow W. B-A

1 Bl.-thr. Gr. W. <sup>B-A</sup> ✓

2 Magnolia W.	1500	lunch tree on Coyane Rd.
2 C. Yellowthr.	B-A	1.6 mi. E of Santacruze rd. fork
2 Gray-cr. Yell.	B-A	2 Red-cr. Ant-T. 1600
10 W. Thr. 1/2 W.	8-B-A	1 Buff-thr. Salt. 5: B-A
7 Golden-cr. W.	14-1600	2 Bl. face. Grdr. 1400
5 Rufous-cyg. W.	B-A	1 C. Cardinal B-A
6 M. Oropendola	Coyane tree	1 Indigo Bunt. B-A
75+ Br. Cowbird	B-A	1 Yell. face. Gr. ↑
50 Boat-t. Gr.		8 Wh.-coll. Seede. B-A
4 Melod. Blb.	2-B-A	4 Bl.-bl. Grong. B-A
1 Bl. tow. Oriole	B-A	1 Olive Sparrow B-A
5 Yell-thr. Euphoni	B-A	1+ Rusty Sp. B-A
5 Yell.-wi. Tari	1400	20 Lincoln Sp. B-A
	B-A	20 Brown Jay 14-1500

April 4, 1960 Mon. HPA

51,486,8 B±A

7:00 - 8:45 - 64° B-A Coyane Rd.  
to 1:30 PM

Cloudy, cool, wind N - 15-35 mph  
ceiling higher, <sup>small</sup> blue areas appear after noon  
Last several days trees getting more  
leaves - greener aspect to forest.  
Sky clearing & evening - Cu in places

Wind may have shifted slightly to east and slight warming trend evident? Worked B-A and upper road 2 to 8:45 but heavy clouds, windy, and rain showers made observation very difficult. Then drove down Coyane Rd to Coyane, & back to HPA 1:30 P.M. Hawks were still numerous, mostly high and from NE to SW between L. Catemaco. Notes more Trop. Kingbirds than before and pairs were calling and getting together continually.

2 Least Grebe	L. Cat.	12 T. Vulture
17 Pied-b. Grebe	N	2 Wh.-t. Kite
20 Oliv. Cormorant	L. Cat.	1 Sh.-ra. Hawk
10 Green Heron	♂	153 Br.-w. Hawk
2 L. Blue Heron		30 Swainson's Hawk
100 Snowy Egret	L. Cat.	2 Roadside Hawk
5 Bl.-cr. M. Heron	L. Cat.	1 Cr. Caracara
1 Wood Ibis	♂, SW	6 Sparrow H. B-A 3 mig
4 Ruddy Duck	♂, late. N	13 Pl. Cacholaca B-A
35 Bl. Vulture		2 Jacana L. Cat.

8 Laughing Gull *L. Cota*  
 25 Red-bld. Pigeon *Coy. Rd.*  
 1 Inca Dove *HPA*  
 1 R. Gr. Dove "  
 1 Mourning Dove *Coy. Rd.*  
 20 Olive-thr. Parakeet - *High down over ground N*  
 14 min. parrot <sup>prob.</sup> *Red-l.*  
 4 - B-A 6 - *Coy. Rd.*  
 4 - 3 of B-A  
 15 Gr. - bill - Ori *Coy.*  
 2 Parague *HPA*  
 5 Vaux's Swift  
 3 Fawn-br. Hummer -  
 2 Ringed Kingf. *L. Cota*  
 1 Bl. - cr. Motmot <sup>1700</sup> *B-A*  
 2 Collared Aracari *Coy.*  
 2 Keel-bi. Toucan  
 8 Gold-gr. Wdpk.  
 1 Br.-r. Attila <sup>1700</sup> *B-A*  
 3 Mashed Titgra  
 1 Vermil. Flyc. <sup>2 of</sup> *B-A*  
 400+ Scis.-t. Flyc. *HPA* *Coy. Rd. 2*  
 12 Trop. Kingf. *Coy.*  
 8 Vermil. cr. Flyc. <sup>1 of</sup> *Coy.*  
 4 Gr. Kiskadee  
 2 W. W. Pewee <sup>1-B-A</sup> *Coy. Rd.*  
 6 Gr.-br. Martin *HPA*  
 15 Rough-w. Sw. <sup>Coy. Rd.</sup>  
 3 Bank Sw. *HPA*  
 15 Barn Sw. *HPA*  
 3 Mangrove Sw. <sup>1 of</sup> *Coy.*  
 1 Green Jay <sup>1 of</sup> *B-A*  
 in the g. w. mtns in  
 HPA grounds  
 40 Brown Jay <sup>1 on west</sup> *5 of* *B-A*  
 5 Band-w. W. *Coy. Rd.*  
 1 Spot-br. Wren *B-A*  
 1 Wh.-br. W. W. *B-A*  
 1 Clay-col. R. *HPA*  
 1 Sl.-col. Sol. <sup>1800</sup> *B-A*  
 3 R.-l. Honeycr. *B-A*  
 3 Yell. Warbler *HPA-1*  
 1 Gr.-cr. Yell. <sup>1-B-A</sup>  
 2 C. Yellowtail. <sup>1-B-A</sup>

1 Bl. + wh. W. <del>HPA</del>	6 Yell.-wi. Tan. <sup>2-B-A</sup>
4 Audubon's W. <del>Coy. Rd.</del>	1 + Buff-thr. Salt. <sup>8-B-A</sup>
6 Wilson's W. <del>B-A-4</del>	2 C. Cardinal <sup>1-B-A</sup>
10 M. Oropendola <sup>4-B-A</sup>	3 Indigo B. <sup>✓</sup>
4 Giant Towlid <del>Coy Rd.</del> <sup>14</sup>	1 Yell.-g. Gras. <sup>8-B-A</sup>
250 Br. Coubird HPA	140 Wh. coll. Seade. <sup>30-B-A</sup>
250 Boat-t. Gr.	7 Bl.-be. Gras.
10 Milo. Bbr.	1 Olive Sp. - B-A
6 Orchard Oriole <del>Rd.</del> <sup>Coy</sup>	1 Rusty Sp. B-A
4 Bl.-gr. Tan. <del>Rd.</del> <sup>Coy</sup>	1 Chipping Sp. <del>Rd.</del> <sup>✓</sup>
	10 Lincoln Sp. <del>Rd.</del> <sup>B-A</sup>

April 5, 1960 Tues.

51,506.8 <sup>AS</sup>  
 clear, cool, fair, few clouds <sup>CS</sup> C.  
 nearest elev. <sup>49°</sup> HPA  $\pm$  900' a.s.l.  
 6:15-9:00 48° B-A All altitudes  
 wind 5-20 mph. N-NE from now on  
 very clear day. are figured  
 9:45-1:30 To B-A again to 100' less  
 B-A - 1500' a.s.l. All others prior  
 mat. 77° B-A 1:15pm to this day must  
 be charged to 100' less.

Worked down road 1 to trail A and NW on trail to 1600' (point where clearing trail goes off). Later in AM worked down road 2 to trail B and down trail to 1300' & return. Near spring trail (below) we saw a large 3 1/2-4' green snake going off edge of road. Saw a Black-faced Antthrush just off trail A at 1500' - like a little rail walking over forest floor. Missed collecting shot. Wh.-tan. Robin seen to like open woods where coffee trees are off road 2 in vicinity of spring trail. Heard calls again of two? birds, possibly parrots off road 2 at 1400 going loud "awak". Heard on at least two prior days. Also heard again the high pitched thin, very see, see, see of small bird in tree tops - possibly *Euphonia*. Olive green-brown above yellowish below, brighter posteriorly.

3 Rufous-Tiara <sup>over 1500'</sup> 1 Sh.-bill. Pigeon <sup>1500'</sup>  
 2 Least Grebe <sup>L. Cate.</sup> 2 Inca Dove HPA  
 20 Oliv. Cormor. 24 R. Gr. Dove <sup>1500' - B-A</sup> 3 - HPA  
 6 Green Heron <sup>L. Cate.</sup> 1 Wh.-Tipp. Dove <sup>1400'</sup>  
 45 Snowy Egret <sup>1</sup> 30 Olive-thr. Parakeet <sup>B-A</sup>  
 5 Blue-w. Teal <sup>NW</sup> <sup>9, 2, 11, 8 gyps.</sup>  
 1 King Vulture <sup>over 4000'</sup> 1 Gr.-bi. Ani <sup>S of NW Cate.</sup> B-A  
 25 Black Vulture 3 Parrot <sup>footnote</sup> HPA  
 6 T. Vulture <sup>over 1500' - B-A</sup> 25 Vamp's Swift <sup>slope</sup>  
 18 Broad-w. Hawk <sup>over 1500'</sup> 1 Long-t. Hermit <sup>1450'</sup>  
 26 Swainson's Hawk <sup>over 1500'</sup> 1 Gr.-br. Mano <sup>1500'</sup> <sup>footnote</sup>  
 1 Roadside Ht. <sup>Trail</sup> 4 Bar-t. Trogon <sup>B-A</sup>  
 2 Gray Hawk <sup>B-A</sup> 2 Violaceous Trogon <sup>1400'</sup>  
 2 White Hawk <sup>over 1500'</sup> <sup>W mt.</sup> 2 Ringed King <sup>L. Cate.</sup>  
 1 Gr.-bl. Hawk <sup>over 1500'</sup> <sup>white head</sup> 2 Blue-cr. Motmot <sup>B-A</sup>  
 1 mind. <sup>white head</sup> ~~Tarzahawk + base of primaries.~~ <sup>footnote</sup>  
 1 Cr. Caracara <sup>B-A</sup> 2 Keel-bi. Toucan <sup>S of 1500' - Rd 1</sup>  
 1 Peregrine Falcon <sup>B-A</sup> 2 Golden-disk Wdpn. <sup>1500' - Rd 1</sup>  
 1 Sparrow Hawk <sup>B-A</sup> 4 Golden-gr. Wdpn.  
 8 P. Chachalaca <sup>L. Cate.</sup> 3 Iron-bi. Wdpn. <sup>1500' - Rd 1</sup>  
 4 Laughing Gull <sup>L. Cate.</sup> 1 Buff-th. F.-g. Trail <sup>B-A</sup>  
 6 Red-bill Pigeon <sup>over 1500'</sup> 2 Barred Antsh. <sup>B-A</sup>

1 Bl.-face, Antillean ~~1500'~~ Trail A start  
 2 Br.-ring. Attila <sup>B-A</sup> 1500-  
 4 Masked Tityra <sup>1400</sup> RD ✓ 3 Sp.-br. Wren <sup>1400</sup>  
 75 Sciss.-t. Flyc. <sup>5-5</sup> ✓ 8 Wh.-br. W. Wren <sup>13-1500</sup>  
 2 Trop. Kingl. ✓ 10 Wh.-th. Robin <sup>1400</sup>  
 1 Sulp.-bell. Flyc. <sup>B-A</sup> ✓ 7 Clay-col. Robin <sup>1400</sup>  
 3 Boat-bi. Flyc. ✓ 1 Scl. Scot. Slat. <sup>RJ 1</sup> 1600  
 3 Vermil.-cr. Flyc. ✓ 3 Yell.-gr. Vireo <sup>14-1500</sup>  
 2 Gr. Kiskadee <sup>5-2</sup> ✓ 1 Gr.-h. Grackle <sup>1500</sup>  
 10 Dusky-cap. Flycatch. <sup>var.</sup> 30 R.-l. Honeyc. <sup>var.</sup> att.  
 1 W. Wood Pewee <sup>B-A</sup> 1 Bananaquit <sup>1500</sup>  
 1 Yell.-bell. Flyc. <sup>1500</sup> ✓ 1 Magnolia W. <sup>B-A</sup>  
 3 Gr.-cr. Martin <sup>over</sup> ✓ 1 Gr.-cr. Yellowthr. <sup>B-A</sup>  
 15 Rough-w. Sw. <sup>4-2</sup> ✓ 1 Yell.-W. Chat <sup>1400</sup>  
 20 Bank Sw. - <sup>Cat.</sup> ✓ 1 Hooded W <sup>RJ 1</sup> <sup>1500</sup>  
 10 Barn Sw. ✓ 18 Kentucky W. <sup>RJ 2</sup> <sup>1400</sup>  
 20 Tree Sw. ✓ 17 Wilson's W. <sup>var.</sup> ✓  
 3 Mangrove Sw. ✓ 1 Am. Redstart <sup>B-A</sup>  
 2-4 Green Jay <sup>B-A</sup> ✓ 10 Golden-cr. W. <sup>1300</sup>  
 15 Brown Jay <sup>5-2</sup> ✓ 2 M. Oriole <sup>FL</sup> <sup>1500</sup>  
 2 Bond-b. Wren <sup>RJ 1</sup> <sup>1500</sup> ✓ 2 Yell.-bell. Cuckoo <sup>1500-RJ 1</sup>  
 125 Br. Cowbird <sup>1500</sup> ✓ 125 Br. Cowbird <sup>HPA</sup>

150 Boat-t. Grackle	4 Bl.-face. Grabs. 1300
8 Melod. Bbs.	1 C. Cardinal B-A
1 Orchard Oriole B-A	3 Indigo B. B-A
3 Black-cowb. Oriole B-A	1 Painted B. B-A
5 Yell.-tor. Euphonia	1 Bl.-bl. Grabs. B-A
3 Bl.-gr. Tan. HPA	1 Yell.-face. Gr. 1400
13 Yell.-wi. Tan. 1300-1500	40 Wh.-coll. Seede? B-A
2 Red-cr. Ant-T. 1400	3 Bl.-bl. Grosbeak B-A
18 Summer Tan B-A	2 Chest.-cyp. Br.-F.
12 Lincoln Sp. B-A	1 Olive Sp. 1500
	1 Rusty Sp. B-A

April 6, 1960 Wed. HPA to B-A

Clear, fair, cool C1 Cs clouds

51,524.3 52°7 B-A

6:30-12:30 wind NE, 5-20 mph  
mod. dew.

Worked road 1 and then trail A, then clearing trail, then back on A to a little over 1900 feet. About 200 yards down road 1 (about 65 yds from us) an eagle sized bird was perched on the slight

Sloping bank of one of the few large trees  
on the east side of the road - it was approx.  
40+ feet from ground and about eye level or  
slightly higher. Bird had large eagle-  
size beak and appeared to be approx.  
28-32" in length with broad wings  
and medium length tail. It moved about  
among the bromeliads on the bank as though  
it had or was trying to capture some prey.  
In so doing it should its tail bring over  
its legs (tail unfeathered) and its  
underwings. The upperparts appeared  
dark brownish-black with the head  
a little paler and with a noticeable  
buffy supercilial stripe. Underparts seemed  
to be light reddish having streaked with  
darker brown or blackish. Wings, at least  
primaries, appeared somewhat darker  
than back & seemed to have some  
barring. The brief view of tail showed  
a fair wide terminal band of dark  
with the anterior portion <sup>light</sup> grayish possibly.

Went in to S. Andes to negotiate  
horses & guide for V.S.M. trip

but not certain, up to upper tail counts.  
Feathers of tibiae appeared light with  
dark crossbaring. Upon approaching, bird  
dropped off limb & disappeared down slope.  
Bill appeared pale horn color. Urubitinga  
solitaria? Brief glimpse of underwings  
showed medium gray color with dark  
barrings. Also saw another hawk  
that seemed to agree in some respects  
with imm. Gr. or Imm. Black Hawk.  
Olive-thr. Parabets have become conspic-  
uous the past few days at C-A.

3 Rufesc. Ternanout	<sup>1600</sup> 10 P.L. Chachalaca	<sup>3-B-A</sup> <sup>1700</sup> over
1 Green Heron HPA	10 Red-b. Pigeon	over
50 Bl. Vulture	2 Short-b. Pigeon	<sup>1500</sup>
8 T. Vulture	1 Inca Dove HPA	
10 Broad-w. H. <sup>over</sup> <del>5000</del>	4 Ruddy Gr. Dove	<sup>2-B-A</sup>
1 Swainson's H. <sup>over</sup> <del>5000</del>	71 Olive-thr. Parabet	B-A
1 Gray Hawk <sup>over</sup> <del>5000</del>	2 mid. parrot	B-A
2 White Hawk "	10 Gz. - bill. Ani	<sup>5</sup> B-A
pose. Solitary Eagle imm	3 Parakeus HPA	
<del>5000</del>	20 Vant's Swift	<sup>over</sup> <del>5000</del>

1 Violet Sabre-wing	1400	clearing	15 Brown Jay	2-8-A
6 Bar-t. Tropic	3-Early 9-red		1500	3 Spot-b. Wren att.
1 Violaceous Tropic	1400		6 Wh.-br. W. Wren	"
3 Ringed King.	L. cat.		1 Sor. House Wren	1500
2 Bl.-br. Motmot	B-A		3 Clay-col. Robin	B-A
1 Keel-bi. Toucan	1700		1 Sl.-col. Sol.	1800
3 Gold-gr. Wags.	var.		1 Yell.-gr. Vireo	1400
2 Ivory-bi. Woodc.	1700		1 Gray-h. Grackle	1600
2 Banded Antshrike	B-A		70 R.-leg. Hummer.	2000
2 Br.-r. Attila	1500		1 Bananaquit	1500
6 Mashed Tityra	1500		1 Bl.-wh. W.	1500
100 Sc.-t. Flyc.	B-A		1 Bl.-br. Cr. W.	"
1 Streaked Flyc.	B-A		2 Magnolia W.	B-A
4 Boat-bi. Flyc.	1400		1 C. Yellowth.	B-A
1 Vermilion Flyc.	1500	50	2 Gray-cr. Yell.	B-A
3 Gr. Kiskadee	"		10 Wilson's W.	var.
6 D.-cag. Flyc.	var.	alt.	1 Ann. Redstart	1500
1 W. Wood Pewee	B-A		9 Gold-cr. Warb.	2000
1 E. Wood Pewee	1600	Tn-A	2 House S. p.	Savanna Cattails
15 Rough-w. Sw.	B-A		2 Giant Cowbird	B-A
4+ Green Jay	15-1800		300 Br. Cowbird	over

Howler heard roaring once or twice today

100	Boat-t. Gr.	5 Bl.-face Grabs. rd <sup>1</sup> 1600
2	Melod. Blb. 2-B-A	1 C. Cardinal B-A
3	Yell-thr. Empidonax 1500	1 Yell-face Gr. B-A
1	Bl.-gray Tan. 1500	75 Wh.-coll. Seede. 15-B-A
7	Yell-wi. Tan. B-A	3 Bl.-bl. Grassy. B-A
2	Cr.-coll. Tan. 1600	2 Chestnut-cy. Bl. F. 1700
1	Wh.-w. Tan. 1600	1 Olive Sparrow B-A
1	Red-cr. Ant-tan.	2 Rusty Sparrow B-A
17	Red-thr. Ant-Tan. 1600	20 Lincoln Sp. B-A
2	Summer Tan. 1500	
2	Buff-thr. Salt. B-A	

April 7, 1960 Thurs. HPA to B-A.

fair, high clouds (glo).

051, 556.8 slight barometer fall. 1

6:15 - 1:45 mostly clear 55° HPA

slight dew 58° B-A

Howler roaring 6:15 - Wmt.

10:30<sup>7</sup> E of Emt. max. temp 81° - B-A.  
wind NE 5-15-20 1:45

loud repeated call on Cero Norte *Emurale*  
who who who who resonant *Toucan*  
now

Also bone of Wmt B-A land who were  
repeated 3 times

such deep whistle

repeated 3 times

second note higher

Worked road 1 and trail A to  
junction of clearing trail (1600')  
and down to end of latter trail.

Then N for about 200 yds on trail down  
ridge to N branching off clearing trail.

Hawks noisy today but not very  
many. King V. moved NW across  
slope, gaining altitude and a short  
time later 1 or another came  
over B-A fairly high going S.E. Four <sup>different</sup> calls  
loud, distinct calls today could not  
be identified. Saw several hawks  
over slope which resembled Black  
Hawk in shape but were pale below  
with tail banding and distinct light  
areas at base of primaries. Possible  
immature Gr. Black Hawk? Wind  
holes NE (trades?) and there is con-  
siderable high C, C<sub>2</sub> and C<sub>3</sub> as well  
as lower C<sub>1</sub>.

Packed for Vol. San Martin tonight. To meet guide with horses (3) at Ramirez home in San Andes. Barometer was falling today. Cutting of bamboo continues on <sup>E</sup> slope of Cerro Lindo above B-A.

34 Rufesc. Tiranon	1300	2 R. Ground Dove	B-A
2 Mdg. Frigate-Bird	over slope	1 Wh.-tig. Dove	1400
2 Green Heron	HPA	25 Olive-thr. Parrot	B-A
1 King Vulture	over slope	biggs	
30 Bl. Vulture		1 Pauraque	HPA
9 T. Vulture		12 Vamp's Swift	over slope
6 Sh. sh. Hawk	over slope	1 Violet Sabre-wing	chain
82 Br.-wi. Hawk	V	3 Bar-t. Tropic	B-A
15 Swainson's H.	V	1 Violaceous Tr.	1500
3 Roadside H.	12-18-A	3 Bl.-cr. Motmot	1700
3 Gray Hawk	B-A	3 Keel-bi. Toucan	lookout 1500
2 White Hawk	over slope	2 G.-Olive Wags.	1400
2 Gr. Bl. Hawk	over slope	4 Gold.-gr. Wags.	1500
4 Sparrow H.	3 over slope	3 Drong-bi. Wrens	14-1700
4+ Pl. Chachalaca	over slope	1 Buff-th. F.-Gr.	1600' B-A
2 Red-bi. Pigeon		1 Banded Anisotis	B-A
4 Sh.-bill. Pigeon	1500	2 Br.-r. Attila	B-A
	1400		1400

6 Masked Titya <sup>var.</sup> alt. ✓  
 8 Sc.-T. Flyc. <sup>5 of</sup> B-A ✓  
 1 Trog. Kingb. <sup>5 of</sup> B-A  
 6 Boat-bi. Flyc. alt. <sup>var.</sup> ✓  
 8 Bushy-cap. Flyc. alt. <sup>var.</sup> ✓  
 1 W. Wood Pewee B-A  
 1 E. Wood Pewee <sup>1500</sup> ✓  
 12 Rough-w. Sw. B-A  
 4+ Green Jay <sup>var.</sup> alt. ✓  
 10 Brown Jay  
 4 Band-b. Wren B-A  
 5 Sp.-br. Wren <sup>var.</sup> alt. ✓  
 7 Wh.-br. W. Wren "  
 6 Wh.-thr. Robin <sup>1500</sup> B-A  
 4 Clay-col. Robin "  
 1 Catbird <sup>re 1</sup> <sup>1500</sup> ✓  
 2 Se.-col. Solitaire <sup>B-A?</sup> 1200  
 3 Yell.-gr. Vireo <sup>1500</sup> ✓  
 1 Gray-h. Greenlt <sup>1500</sup> ✓  
 60 Red-b. Honeyc. 1500  
 1 Bananaquit B-A

1 Gr.-cr. Yellowthr. B-A ✓  
 8 Wilson's Warb. <sup>B-A</sup> ✓  
 1 Am. Redstart <sup>1600</sup> ✓  
 5 Gold.-cr. Warble.  
 2 Ruf.-cap. Warbler <sup>nd 1</sup> <sup>1500</sup> ✓  
 1 M. Oropendola 1500  
 30 Br. Combrid 1-1500  
 40 Boat-t. Grackle  
 2 Melo. Bbl. B-A  
 1 Orchard Oriole ✓  
 2 Black-cowd. Oriole B-A  
 4 Yell.-thr. Flycatch. 1500  
 14 Yell.-wi. Tan. <sup>1500</sup> B-A  
 8 Bl.-face. Grosbe. <sup>B-A</sup> <sup>Canary</sup> and  
 1 C. Cardinal B-A  
 3 Indigo B. ✓  
 1 Bl.-br. Grosbe. B-A  
 6 Yell.-face. Gr. B-A  
 8 Wh.-coll. Seabe. B-A  
 5 Bl.-br. Grosbe. B-A  
 2 Dark-b. Gold. B-A

4 Chest.-cog. B. - F. 1 Olive Sp. ab. 1500	$2 \frac{2}{2}'' \text{ tr. A. } \begin{matrix} 1500 \\ 1600 \end{matrix}$	3 Party Sparrow (a-B-A.) 25 Lincoln Sp. B-A
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April 8, 1960 HPA to S. Andrs.

$\frac{2}{2}$ , 1170' - S. Andrs to La Cocina  
 clear, fair, calm in AM, 5-15 mph. at peak  
 61° - HPA  
 NE?

Left S. A. by horse at 6 AM, arrived  
 La Cocina, 3750' at 10:10 AM.

→ 11:36 start toward peak  
 5600' <sup>possibly error of barometer change</sup>  
 E peak 1:45 PM, W peak 5650'  
 down to La Cocina 4PM 2:00 PM

Rode horses, (mine a mule) from San  
 Andrs about 8 miles <sup>not straight</sup> to La Cocina  
 which appears to be about two miles  
 by trail from peak (somewhat roundabout).

Trail from S. Andrs traverses hills  
 and flat areas which are mostly cleared  
 + in overgrazed pasture or corn fields  
 for about 6 miles, crossing one stream

(mostly, many water plants and stones)

2310

about 2000' elev, and then to 2500' where forest begins. Then circuitous trail goes down. Beautiful virgin forest for about two miles to La Cocina. A cleared, sloping spot on the ridge which the trail follows to peak area. Many trees over 100' in height 6-8' <sup>feet</sup> ~~feet~~ above breast height. Similar giant trees surround La Cocina and their limbs & trunks are covered with bromeliads & vines. Above La Cocina the virgin forest continues as the trail steepens along a somewhat narrow ridge. Tree ferns grow along the flanking deep ravines at about 4200' but only a few can be seen from the trail. There are 2 lookouts at about 5000' looking out to the SE over a gorge which is forest covered but in some places shows bare lava rock. In the distance, much down can be seen Cerro Bayin. Above 4500 feet trees become <sup>older</sup> covered with moss and

5 peaks or higher points with slightly lower saddle forms southern rim of crater. Center peak is highest - 5450' approx.

Liquidambar was identified. (Cloud forest)

There is another small lean-to at about 5300' where trail begins to go through stunted trees covered with moss & lichens which continues to the top and gets lower & somewhat denser. First peak has a small open cleared area surrounded by low bushes & a few trees. View can be had of crater and two peaks overlooking from south. Went across saddle (about 75-100' lower) to W peak where little view can be obtained as vegetation is too high. Part of crater floor appears bare, or mostly so, of vegetation. At about 3900' there is a Cocona - small bird in low tree : about 6-7" medium tail, rather stout chick-like bill. Olive above, with red to dark gray head, white eye ring and short line behind eye & in front. Throat white shading into dull yellow breast which shades again to white on lower breast

*C. Bona Tanager*

and blyg. No wing bars. Slate-cd. Solitaire,  
in full song in late afternoon and other  
birds join in (Motmot, Buff-tan. F.-gl.)

1 Rufesc. Tiaranau	2 Boat-bi. Flyc.
1 Little Blue Heron <sup>2400'</sup>	2 Sp.-br. Wren
1 Green Heron <sup>stream</sup> 2400'	4 Wh.-br. W.Wren <sup>La Cava</sup>
2 Roadside H. <sup>2000'</sup>	3 Bl.-cr. Motmot <sup>La Cava</sup>
1 Mourning Dove <sup>2000'</sup>	12 Slate-cd. Solitaire <sup>2000'</sup>
35 Gr.-bill, Oriole <sup>nesting</sup>	1 Com. Yellowthr <sup>2000'</sup>
1 Buff-thr. F.-gl. <sup>La Cava</sup>	3 Gray-cr. Yellowthr.
3 Drong.-bi. Woodpecker <sup>La Cava</sup>	2 Slate-thr. Redstart <sup>La Cava</sup>
4 Pewee-cyg. Flyc. <sup>nesting</sup>	3 Golden-cr. Warbler
2 Gr. Kiskadee.	2 Rufous-cyg. W. <sup>2000'</sup>
2 Vermil.-w. Flyc. <sup>1530'-2000'</sup>	3 Yell.-gr. Vireo <sup>2500'</sup>
35 Brown Jay <sup>lower levels</sup>	400 Bronzed Cowbird
1 Bl.-fac. Thrush.	75 Boat-bi. Grackle.
10 Wh.-coll. Seede.	8 Melod. Bbl.
2 Keel-bi. Tanager	La Cava + above
1 Olive Sparrow -	

April 9, 1960 Sat. La Cocina  
min. 64° <sup>to</sup>  
about 4700'  
on peak trail

7:00 AM - 12:45 PM + return.

3-4 PM - down + up ravine on west  
side of La Cocina. Did not get  
much sleep as part of 3-4 Merfions were  
up most of night talking and shining  
posse jets as well as horn blowing later.  
About 5:45 AM to 7 PM approx. 125  
Merfions came in from S. Andes with  
much noise and blowing of cow horns.

Apparently they go up on mountain  
and collect branches from a type of  
bush whose leaves, when crushed, smell  
of wintergreen. Later in AM they came down  
each with a bundle of branches tied with  
a vine or piece of bark. These are used  
for? Easter decorations - church

1 Wh.-coll. Swift	2 Blue-cr. Motmot	La Cocina
5 Violet Sabre-wing	5 Emerald Toucanet	4100
4000-4700	1 Keel-bi. Toucan	3900

very loud insect chorus begins  
about dusk 6:30-7:00

3 Ivory-b. Wren	
2 Wnd. Woodcreeper	(Spotted-crowned) 4200 along whistle streak is not down back
3 Buff-th. Flycatch.	large but smaller than dry-lid.
1 Mashed Titgra	4000
3 Fluffy-cap Flyc.	4300
4 Yellowish Flyc.	4100-4700
4+ Green Jay	3800-4200 2 Gold-br. Warbler
1 Sp.-br. Wren	4000- same mind. Torn? desirable
7 Wh.-br. Wood Wren	3700
9 Sl.-col. Solit.	3700 low 4200'

full moon

April 10, 1960

La Cocina

to peak of

Start 4:28AM L.Coc. V.S.M., into

Arrive W. peak 6:30

crater and

(5400')

then into

Crater floor 4800' small crater

Small crater floor 4900' + return

" " floor 4800'

La Cocina 1:00PM 3700'-3750'

Check set, of S. Andres - correct elev.

Left La Cocina at 1:20 PM

Arrived in San Andrés 4:45 PM

Clearings and cultivation to about 2400-  
2500', then forest. Again several  
score of men and boys appeared at 3:15  
AM at La Cocina with much noise,  
horn blowing etc., allowing no further sleep.  
Full moon both nights. In S. M. - quite  
bright in forest. First night heard 3+  
with head songs went off into the forest  
at nightfall. (alt. return to V. S. M.)

1 Rufesc. Tern <sup>2600'</sup>	2 Laughing Gull - <del>cat.</del>
4 Least Gulls <sup>HPA</sup>	1 Least Tern <del>HPA</del>
5 Oliv. Cormorant <sup>c. cat.</sup>	4 Red-bi. Pigeon <sup>4-5300'</sup> <del>water</del>
3 Green Heron	1 Short-bi. Pigeon 2600'
30 Snowy Egret	1 Ruddy Gr. Dove 2400'
40 Black Vulture	1 Blue Gr. Dove 2300'
3 T. Vulture	8 Groove-bi. Oriole 2100'
1 White-t. Hawk <sup>2300'</sup>	3-4 owls hooting from 4000-5000' - groups of three low hoots.
1 Roadside H. 2400'	Wood-Owl?
1 Corn. Black H. 2200'	1 Paroquet HPA
1 Sparrow Hawk <sup>2300'</sup>	guide said it was Paroquet + 4800'
1 Crested Guan <sup>wood</sup>	1 Crested Guan - soft dove-like single note

70 White-coll. Swift <sup>2000'</sup> 3 Gr. Kiskadee  
 4<sup>+</sup> Vamp's Swift <sup>2000'</sup> 2 Rudy-cag. Fly. 4300'  
 3 Violet Sabrewing <sup>2900-4700'</sup> 1 Yellowine Fly. 4200'  
 sever. <sup>3800'</sup> <sup>continued</sup> <sup>20</sup> Barn Swallow 2000' ✓  
 minid. hummers <sup>2000'</sup> ✓  
 2 Bar-tailed Tropic <sup>2500'</sup> 5/100 (crater) 2<sup>+</sup> Green Jay 3800' ✓  
 4 Blue-c. Motmot 3700' 12 Brown Jay 1600'  
 10 Emerald Toucanet <sup>3800'</sup> - crater 5. - br. Wren 4000'  
 5 Golden-gr. Wdp. 4 Wh-br. Wood Wr. 3700-4900  
 5 Ivory-bi. Wldgr. <sup>2700-3900</sup> 25 Slate-c. Sol. 3600 - crater  
 2 Spot-cr. Wldgr. <sup>4200'</sup> + crater 1 C. Yellowtan. 2100 ✓  
 1<sup>+</sup> Buff-thr. Fol. gl. <sup>4400'</sup> 2 Gr. Yellowtan. 2400'  
 1 Fork-t. Fly. <sup>2100'</sup> 2 ~~████████~~ Sl-thr. Redstart <sup>2100'</sup>  
 1 Boat-bi. Fly. 1000 Bronzed Cowbird  
 1 Vermil.-cr. Fly. 300 Boat-t. Grackle  
 1 Bl-gr. Tan. 11PA 1 Orchard Oriole ✓  
 5 C. Bush Tan. <sup>3800'</sup> 1 Bl-bl. Grosbeak <sup>21800'</sup>  
 3 C-cag. Br. Finch <sup>1 crater</sup> 2<sup>+</sup> 4600'

Found 1-4 days old Tapir tracks in  
 soft mud in bottom of small crater in  
 crater of V.S.M. Photographed them. Small  
 crater is completely covered with dense, low

forest but largest tree in area appears to be in little crater. Large crater is about 600' in depth, perhaps  $\frac{3}{4}$  mile from N-S and 1 mile from E to W. Lowest points, probably where lava flowed over, are at the northwest and NNE approximately. Highest point on south rim is between these lower areas and appears to be about 200<sup>300</sup> feet lower than highest point on south rim. E to ESE section is also a high point perhaps only about 100 feet below highest point on south rim. On north side of crater is a dry stream channel (water in rainy season) which on the edge of the crater floor is bordered by 6-8' sheer walls of volcanic rock in various jointures. The bed of channel is moist and contains a number of water plants such as water (Cory) etc. The bare area in the crater is covered with rocks & small boulders of volcanic origin - this area is just south of the small

crater, steep about 300 yds <sup>partly</sup> mag. diam.  
This small <sup>partly</sup> open area has sparse, low  
bushes on it and the rest of the  
floor has larger dense bushes & trees  
, two of the latter, reaching 50' feet in ht.  
The walls of the crater are quite <sup>40-50'</sup> steps,  
especially on S. side. They are covered with  
a dense low forest (20-30' trees) gnarled,  
covered with moss and some epiphytes.—  
This is the same type of vegetation  
as occurs for several hundred feet below  
the peak on the south slope. The  
floor of the small crater has some rocks  
but contains more soil. It's level  
area is only about 50-70' in diameter.  
About 3900 feet high, hard  
"ark", repeated along, that we  
have heard on our study area.  
About 5:30 AM at near 4900' heard  
several medium pitched calls, very  
difficult to describe, that guide called

"Moro" Chango - Spider monkey. Also on way up we heard an animal off to left of trail which H. saw poorly but which may have been a Tayra. San Andria + Catemaco are both given on map as 360 meters elevation or 1170' a.s.l. If so, HPA would be about 1100' and BDA 1700' with all other altitudes mentioned corresponding to this. Must try to find out elev. of S. A. T. exactly. From <sup>near</sup> peak (E 1 of V. S. M. on trail you can view Cerro Vigia, (4100') to the SE. and Cerro Tuxtla to the SW.

April 11, 1960 Mon. HPA - met, notes, letters  
 fair, cool, pty. clg. wind 10-20<sup>+</sup> mph.  
 around our HPA <sup>the</sup> morning, increased  
 but <sup>the</sup> North clouds visible to N <sup>during day</sup>

50 Oliv. Cormorant

3 Green Heron HPA | 1 Parague

30 Snowy Egret <sup>1-2</sup> | 1 Ringed Kingg.

2+P. Chachalaca <sup>1-2</sup> above HPA

2 Laughing Gull <sup>1-2</sup> | 2 Gr. Kiskadee

1 Inca Dove

1 Mangrove Sw.

1 Ruddy Gr. Dove

1+ Brown Jay

1? No? Parula <sup>✓</sup>

1 Clay-col. Robin

2 Yellow Warbler <sup>✓</sup>

1 Magnolia W. <sup>✓</sup>

1 Yell. Br. Chat <sup>✓</sup>

1 Ovenbird <sup>✓</sup>

310 Bronzed Cowbird

1 Wilson's Warbler <sup>✓</sup>

80 Boat-t. Grackle

1 Am. Redstart <sup>✓</sup>

2 Melod. Blr.

4 Blue-gr. Tanagers

April 12, 1960 Tues. HPA to B-A

51, 685.8 full moon

clear, fair temp. 67° HPA

mod. dew 6:00-12:00

wind 5 5-20 W<sup>5</sup>° B-A

+ variable at times

- Worked on road 1 to Trail A then up trail to 1800' back + down clearing

Trail for several hundred feet and return to B-A. Found and collected an Eye-ringed Flatbill at about 1500' elev. on trail A near its start. Bird stayed within 20 feet of ground and responded to "pishing". Just below base-area but at about 1500' in top of tall tree 4 Pickazines were feeding near noon. Apparently large fire at late PM blankets mountain across lake and eastern end of base. Bird which had been heard calling "wa wa etc." is apparently trogon, possibly violaceous. Heard loud "curse" again but still no identification. Also heard loud "who were" once or twice but no identification. Went into San Andris for second last time. Saw a White Hawk glide across road 2 near B-A carrying a snake about a foot or so long. Forests in our area have large trees comparable to some of those on San Martin but in general have smaller trees and areas of bamboo which

howler roaring early

I did not see on volcano. Sighted a small dark bird walking in forest at about 1800' - possibly Pittman. Saw a large flock <sup>50+</sup> of gull or tern-like birds moving far out on Lake Catemaco going north - as large as or larger than Laughing Gulls. No parasites observed today.

3	Puffesc. Tinamou	B-A 1700	2	Short-bi. Pigeon	B-A 1800
7	Oliv. Cormorant	L-cate.	2	mid. parrots	B-A
4	Green Heron	H-PA	1	Gr. + bill. Oriu	
30	8 young Egret	L-cate	10	Vang's Swift	over edge
80	Black Vulture		1	L.-tail Hermit	1500
6	T. Vulture		2	Violet Sabre-wing	12.
1	Wh.-tailed Kite	Cate.	3	Bar-t. Tropic	1500
1	Roadside H.	B-A	2	Violaceous Tr.	1700
1	White Hawk	B-A	2	Ringed King.	L-cate.
2	Osaymy	L. Cate. ✓	3	Blue-cr. Mac	B-A 1600
3	Sparrow H.	✓	1	Emerald Toucan	1500
5	Laughing Gull	L. Cate. ✓	1	Coll. Aracari	1700
4	Red-br. Pigeon	B-A	2	Keel-bi. Toucan	1700

2 Golden-ol. Wdpn. <sup>1500</sup>	1 So. House Wren <sup>1500</sup>
4 Gold.-gr. Wdpn. B-A	6 Wh.-br. Wood Wh. <sup>var.</sup> alt.
1 Olivaceous Wdpn. <sup>1500</sup>	5 White-thr. Robin <sup>14-1600</sup>
3 Ivory-bi. Wdpn. <sup>1600</sup>	4 Clay-cd. Robin B-A
1 Buff-thr. F.-gl. <sup>1500</sup>	3 Bell-gr. Vireo <sup>1500</sup>
2 Bright-rumped Attila <sup>1600</sup>	1 Gray-th. Grackle <sup>15-</sup> <sup>1600</sup>
5 Masked Titra B-A	30 Red-b. Horner. <sup>15-1600</sup>
4 Tropical Kingb. B-A <sup>of</sup>	1 Bananaquit <sup>1500</sup>
1 Sulphur-bell. Fgc. B-A	1 Bl. + wh. W. <sup>1600</sup>
1 Strreaked Fgc. <sup>1500</sup>	3 Magnolia W. <sup>B-A</sup> <sup>1700</sup>
7 Boat-bi. Fgc. <sup>B-A</sup> <sup>1400</sup>	2 Ovenbird <sup>1600</sup> HPA
1 Gr. Kiskadee <sup>1500</sup>	2 Yell.-br. Chat <sup>1800</sup> HPA
8 Bushy-cap. Fgc. <sup>var.</sup> alt.	7 Wilson's W. <sup>1600</sup> <sup>var.</sup> <sup>2</sup>
1 W. Wood Pewee B-A	3 Am. Redstart <sup>1500</sup>
1 Eye-ringed Flatbill <sup>1600</sup>	8 Gold.-cn. W. <sup>var.</sup> alt.
1 Gray-br. Martin <sup>L. cat.</sup>	4 Pugnacious W. <sup>1400</sup> B-A
6 Rough-wi. Sw. B-A	7 M. Chrysolophia B-A
2+ Green Jay <sup>1700</sup>	1 Yell.-br. Cocigue <sup>1500</sup> B-A
15 Brown Jay	600 Bronzed Cowbird HPA
1+ Band B. Wren B-A	12 Boat-b. Gr. <sup>20-</sup> B-A
2 Spots-br. Wren B-A	1 Melod. Blbr. B-A

gr. of yell.-thr. Enga. carrying nesting material to <del>chorcha</del> <del>Palau</del> <del>15'00' Rd. 1</del>	
1 Orchard Oriole ✓ 1500	5 Bl.-face. Grosbe. 1500
1 Baltimore Oriole ✓ "	3 Indigo Bunting 1500
2 Bl.-capped Oriole "	1 Blue-bl. Grosbe. 1400
2 Scrub Euphonia "	7 Yell.-face Gr. 1500 " singing fully
6 Yell-thr. Enga. 1600 1400	5 Dickcissel 1500
2 Bl.-gr. Tan. 14 PA	3 Wh.-coll. Sunb. B-A
6 Yell-wi. Tan. 15-1600	1 Blue-bl. Grosbe. f
1 Gr.-coll. Tan. 1500	1 Dark-bl. Grosbe. f
1 Red-cr. Ant-T. 1000	2 Olive Sp. 1500 1400
<u>34</u> Buff-th. Salt. B-A	20 Lincoln Sp. B-A 1400
2 Rusty Sp. B-A	1 Swainson's Thr. 1500

April 13, 1960 Wed. HPA - B-A

5, 6 15.5 temp. 65° HPA  
fair, clear, full moon 64° B-A  
6:15-12 M howler roaring  
sl. barometer drops continuous  
slight dew 83° - B-A 12 M  
dawn earlier - 5:30 wind NW-W 5-20  
now  
12 M - 1:30 PM - Coyane Rd., -lunch tree  
ground fog

Worked road 2 down to about 1100 feet and then ascended to short cut trail to trail B. Worked trail B down to about 1300' and then back to C-A. Also on way down we worked spring trail. The howler monkey gave us a great demonstration of roaring for quite a while early in A.M. Birds were quite active. Euphonias were carrying nesting material and also Black-faced Grosbeaks were doing likewise. Some of "ark" sound in the Yellow-billed Cacique. Heard the who who! call again. Also the double note cooing that we apparently heard on San Martin. Wind increased somewhat from NW and clouds started to come in from Gulf later in A.M. but apparently did not have enough gradient and moisture to cross ridge into Catemaco basin. Found a

dead tropical green snake on road  
2 - it measured 5' 6". Collected a  
White-bellied Emerald - this  
hummer is apparently one of the  
commoner species in the area -  
it resembles a female of other  
species. We have seen from 2 to  
almost every day.

3 Rufous. Tiaranow	2 Osgony ✓ <sup>1 over d.</sup> 1 Cognac Rd.
15 Oliv. Cormorant L. Cota	2 Sparrow H.
4 Green Heron HPA	8+ Pl. Cockatoo <sup>2 groups</sup> <sup>1 slope</sup>
50 Snowy Egret L. Cota	6 Laughing Gull <sup>4</sup> Cota
2 Bl.-br. M. Heron <sup>N</sup>	5 Red-bi. Pigeon <sup>1 slope</sup>
30 Black Vulture	2 Short-bi. Pigeon <sup>1500</sup> <sup>1300</sup>
8 T. Vulture	5 R. Gr. Dove 1-B-A
1 Wh.-t. Kite HPA	4 Wh.-tig. Dove <sup>1200'</sup>
2 Sh.-sh. Hawk <sup>1 slope</sup>	17 O. L. - thi. Para. B-A
150 Brook-w. Hawk <sup>over Cognac Rd. &amp; ridge</sup> <sup>12:30-1:30</sup>	
2 Roadside H. B-A	2 Squirrel Cuckoo <sup>1300</sup>
3 Gray Hawk <sup>1-13-A</sup> one slope	2 Gr.-bi. Ani HPA
2 White Hawk <sup>over</sup> slope	1 Parague <sup>nitid</sup> HPA
1 Gr. Bl. Hawk	10 Vamp. & Swift <sup>12</sup> slope

several		
mid. larger dark swifts - over slope possibly Bl.-Swift.	2 Vermil.-cr. Fly. HPA 2 Gr. Kiskadee	
1 Long-t. Hermit 1500	1 Gr.-cr. Fly. ✓ 1200	
2 Gr.-br. Mano 1300 B-A	10 Grisly-cap. Fly. alt. var.	
4 Wh.-bell. Emerald 1400 1200	1 W. Wood Pewee 1500	
7 Bar-t. Tropic 12-1600	2 Yell.-bell. Fly. ✓ 1300	
1 Violacea Tropic 1300	20 R.-wing. Sw. 3-B-A	
3 Ringed King. L. Cat.	2 Mangrove Sw. L. Cat.	
4 Bl.-cr. Motmot 1300 B-A	2+ Green Jay 1400	
2 Keel-bi. Toucan 1400	15 Br. Jay 2-1400	
2 Gold.-oliv. Wags. 1400 B-A	1 Band-t. Wren B-A	
6 Gold.-gr. Wags. alt. var.	5 Spot-bi. Wren alt. var.	
2 Oliv. Woodpecker 1400	7 Wh.-bi. Wood Wn. "	
1 Ivory-bill. Wags. 1200	10 Wh.-thr. Robin 1300- 1500	
1 Barred Antshrike B-A	8 Clay-cd. Robin	
2 Br.-r. Attila 1300 B-A	2 Swainson's Thr. 1300 ✓	
7 Masked Tityra alt. var.	4 Yell.-gr. Vireo 1400	
1 Swallow-bell. Fly. B-A	1 Gray-h. Grn 1300	
3 Streaked Fly. 1300 B-A	20 Red-l. Honeyc. alt. var.	
3 Boat-bi. Fly. alt. var.	2 Bananaquit 1400	
	1 Magnolia W. ✓ 1400	

1 Bl-thr. Gr. W. ✓ 400	1 Balt. Oriole 1400
1 Overbird HPA	5 Yell-thr. Egretta alt.
1 Gray-cr. Yellow, 500	1 Blue-gr. Tan. HPA
1 Yell-br. Chat ✓ 400	10 Yell-wi. Tan. alt.
10 Wilson's W. ✓ 400	3 Cr-coll. Tan. 1300
1 Chm. Redstart ✓ 400	2 Red-cr. Art-T. 1400
4 Golden-cr. W. 1300	5 Buff-thr. Salt. 1400 B-A
1 M. Cuckoo - Corom. 1400	8 Bl-faced Gr. ✓ 1400
4 Yell-br. Cuckoo 1300	3 Indigo B. ✓ 1300
8 Great Cowbird Corom. 1400	1 Blue-bl. Gr. 1500
500 Bronzed Cowb. HPA	5 Yell-face Gr. B-A
150 Boat-t. Gr. 4-B-A	1 Bl-bl. Gr. 1400 B-A
4 Melod. Blb. B-A	4 Ch.-cig. Br-F. 12-1300
3 Bl.-couled Oriole 1400	3 Olive sp. 2-B-A
22 Heriden Sp. B-A ✓	1 Rusty Sp. B-A

April 14, 1960 Thurs. HPA - B-A

clear, fair, slight dew, ground fog  
 51, 62° 7.4 temp. 67° HPA map, 87°  
 B-A → 6:15 - 12 M 1.8 Cog Rd - B-A  
 always to Longmore Rd to Sontec Rd 1.6 mi. Ag. HPA  
 + lunch to 2 PM

wind NE 0 to 25 mph later in day <sup>(68)</sup>

Worked road 2 adj. to B-A and then road 1 to trail A, up trail A to about 1700' and return. Yell-wing. Ton carrying nesting material, also Bonaparts & yell.-thr. Lophomias. 2-3 possible dove making low, moaning-cooing sound in dense cover - could not locate. Two airglows passed over and each time bawler monkey roared, apparently irritated by plane. Also heard bird, clear who were! again, repeated several times on west mt. nr. B-A and later many times in rapid succession on E mountain. Honeycreepers have not seemed to be so concentrated the past few days - possibly they are scattering to nest. Clouds moving up slope until toward noon and in PM they were heavy and coming slightly over saddle in mt. ridge. Yesterday evening they had come thru Coysome Gap and moved for over eastern part of lake.

Apparently they are doing the same tonight  
and even are over the hotel area.

A flock of about 175 Franklin's Gulls  
was wheeling over ridge about 1:30 PM  
& another of about 60 came N over  
NW end of L. Cat. Possibly the other  
flock of gulls over L. Cat. The other  
day was this species. At least found  
a Smoky - Brown Warbler in heavy  
bamboo along road 1 about 1500'.

Also saw 3-5 Tawny - cr. Grenadets  
in forest along trail A at about 1500  
& up to 1600+ feet.

3 Purplec. Tanager	over	4 Swainson's N.	Coyome Rd.
10 Oliv. Cormorant	L. Cat	2 Gray Hawk	1-13-A
6 Green Heron HPA		4 Osprey	Coyome Rd.
1 Com. Egret	N.W. L. Cat	1 Cr. Caracara	1
25 Snowy Egret		7 Sparrow N.	migr.
25 Bl. Vulture		10+ Pl. Chachalaca	(300) B-A
5 T. Vulture			
Broad-w. Hawk	2000 slope	12-2 PM	N.W. 128 - Coyome Rd L. Cat.
6 Sh. shr. H. 1 g.		3 Laughing G.	L. Cat.

23<sup>6</sup> Franklin's Gull ✓  
 3 Red-bi. Pigeon  
 3 Sh.-bi. Pigeon 14-1500  
 2 R. Gr. Dove 1-B-A  
 3 Wh.-tip. Dove 14-1500  
 1 Gr.-bi. Chri HPA  
 20 Vaux's Swift slope  
 100 Black Swift slope  
 1 Long-t. Hermit 1600  
 1 Gr.-br. Mango 1500  
 1 Fork-t. Emerald HPA  
 1 Wh.-bell. Emerald 1600  
 5 Bar.-t. Tropic <sup>var.</sup> att.  
 2 Violaceous Tropic " "  
 4 Bl.-cr. Motmot 14-1700  
 2 Emerald Toucanet <sup>B-A</sup> 1500  
 1 Keel-bi. Toucan  
 1 Chestnut-col. Wdpk. <sup>1600</sup> TA 5 Wh.-tus. Robin <sup>1600</sup>  
 5 Gold.-gr. Wdpk. <sup>var.</sup> att.  
 1 Smoky-br. Wdpk. 1500  
 2 Oliv. Woodpe. <sup>1600</sup>  
 2 Dray-bi. Wdpk.  
 2 Barred Antshrike <sup>B-A</sup>  
 3 Br.-r. Attila <sup>var.</sup> att.  
 4 Masked Tityra "  
 4 Tr. Kingbird <sup>B-A</sup>  
 2 Snipe-bell. Flyc. <sup>B-A</sup> 1500  
~~Striated Flyc.~~  
 5 Boat-bi. Flyc. <sup>B-A</sup> 1500  
 1 Gr.-cr. Flyc. <sup>var.</sup> ~~Coyote Rd.~~  
 6 Grisly-cap. Flyc. <sup>var.</sup> att.  
 1 W. Wood Pewee <sup>B-A</sup>  
 50+ Rough-w. Sw. 8-B-A  
 10+ Barn Sw. <sup>NW</sup> Cate L.  
 6+ Green Jay 16-1700  
 12 Brown Jay  
 2 Band-b. Thrush <sup>B-A</sup>  
 3 Spot-br. Wren <sup>var.</sup> att.  
 7 Wh.-br. Wood W. "  
 5 Wh.-tus. Robin <sup>1600</sup>  
 5 Clay-col. Robin  
 4 Yell.-sp. Vireo 1500  
 3 Tawny-c. Greenlet <sup>1600</sup> 1500  
 1 Gray-b. Greenlet 1500

Found 3-4 Coatis foraging thru  
bamboo off trail A about 1500'.

12 <sup>+</sup> Red-l. Honeyc.	1500 1600 B-A	2 Bl.-covl. Oriole	B-A
4 Bananaquit	1500	2 Scrub Euphonia	1500
1 Magnolia W.	1500	6 Yell.-thr. Euphonia	"
1 Bl.-thr. Gr. W.	1500	2 Bl.-gr. Tan.	HPA
2 Gr.-cr. Yell.-thr.	B-A	8 Yell.-wi. Tan.	var. at.
6 Wilson's W.	var.	2 Cr.-coll. Tan.	1500
1 Yell.-br. Chat	1500	1 Red-thr. Ant-T.	1600
1 Am. Redstart	1500	3 Buff-thr. Salt.	B-A
7 Gold-cr. W.	1500 1600	6 Bl.-face. Grosbe.	1500
3 R.-cap. W.	1500-A	1 Rose-br. Grosbe.	1600
1 M. Oropendola	Coyote R.	4 Bl. Yell.-g. Grosbe.	B-A
2 Yell.-li. Cacique	1500	3 Wh.-coll. Sude.	1400 B-A
40 Br. Cowbird	HPA	3 Bl.-bl. Grosbe.	B-A
60 Boat-t. Gr.	4-B-A	4 Olive Sp.	15-1400 B-A
7 Melod. Blbr.		2 Rusty Sp.	B-A
		20 Lincoln's Sp.	1500 B-A

April 15, 1960 Friday H.P.A. - B-A

51,639.4 6:15 - 7:15 (10:30) 74° - H.P.A.

Partly cloudy, showers earlier, very humid  
Thunder & lightning about 3AM (slight)

77°-B-A slope covered with dense cloud.  
 "Norte" still rolling in until even tops of hills behind hotel are covered in P.M.  
 Worked B-A for about an hour but conditions very poor for observation. Then went down to Coyane and return to B-A where clouds were still as dense. Left about 10:30 AM to Catamarca for haircut. + return. Heard dove like oo-oo on E hill and also who were! along row thicket on west side of B-A. Chachalacas very vociferous this AM. Also low morning <sup>early</sup> ~~Apr~~

1 <del>Brilliant</del> <sup>1-B-A</sup> Tanager	1 Wh.-tail. Kite
1 Pint.-b. Grbe L. cat. N	1 Roadside N.
10 Ol. Cormorant	2 Gray N.
10 Green Heron	15 <sup>+</sup> Pl. Chachalaca
6 L. Blue Heron <sup>Coyane Rd.</sup>	4 L. Gull <sup>L. cat.</sup>
7 C. Egret <sup>L. cat.</sup> NW	2 Red-bi. Pigeon <sup>#</sup>
25 Snowy Egret	4 morning <sup>over 5 of</sup> B-A
1 Bl.-cr. N. Heron	1 Sh.-bill. Pigeon B-A
25 Bl. Vulture	1 R. Gr. Dove <sup>1</sup>
6 T. Vulture	3 Wh.-tip. Dove <sup>Coyane Rd.</sup>
	31 mid. parota - Red-b. <sup>?</sup>

10 Gr.-bi. Ami	Cog. Rd.	2 W. Wood Pewee	Cog. Rd.
1 Bar-t. Tropic	B-A	2 Gr.-br. Martin	✓
2 Ringed Kinge.	L. Cate.	20 R.-wing. Sw.	<del>✓</del>
2 Bl.-cr. Motmot	1-B-A	3 Bank Sw.	<del>✓</del>
2 Keel-bi. Toucan	Cog. Rd.	15 Barn Sw.	<del>✓</del>
1 Lineated Wpbn.		1 Tree Sw.	<del>✓</del>
8 Gold-gr. Wpbn.	2-B-A	2 Mangrove Sw.	
1 Ladder-br. Wpbn.	Cog. Rd.	4 Green Jay	B-A
1 Ivory-bi. Wdpbn.	-B-A	30 Brown Jay	
1 Rufous-br. Spinetail	Cog. Rd.	3 Bank-br. Wren	B-A
1 Barred Antthr.	-B-A	3 Sp.-br. Wren	1-B-A
1 Br.-r. Attila	B-A	1 Catbird	Cog. Rd.
4 Masked Tityra	Cog. Rd.	5 Clay-col. R.	B-A
3 Sciss.-t. Flyc.	<del>✓</del>	1 Yell.-gr. V.	Cog. Rd.
12 Tropic. Kingb.	B-A	1 Pied.-l. Honey.	
1 Piratic Flyc.	Cog. Rd.	1 Bananaquit	B-A
2 Indigo-bell. Flyc.	B-A	6 Yellow W.	Cog. Rd.
2 Boat-bi. Flyc.	2-B-A	2 Magnolia W.	1-B-A
4 Vermil.-cr. Flyc.	Cog. Rd.	1 C. Yellowthr.	B-A
7 Gr. Kiskooche		6 Gr.-cr. Yell.	
1 Br.-cr. Flyc.	B-A	1 Yell.-br. Chat	B-A
4 Rusty-cog Flyc.		3 Wilson's W.	<del>✓</del>

1 Am. Redstart ✓	2 Cr.-col. Tan. <sup>Coy</sup> <sub>Rd.</sub>
1 Gold-cr. W. B-A	1 Red-th. Thr. B-A
1 Ruf.-cap. W. B-A	4 Buff-th. Salt. 4-B-A
11 M. Croppendola <sup>1</sup> -B-A	2 Greyish Salt. <sup>Coy</sup> <sub>Rd.</sub>
6 Giant Cnib. <sup>Coy</sup> <sub>Rd.</sub>	2 Bl.-fca. Grdn. B-A
40 Br. Cowbird	3 C. Cardinal 2-B-A
80 B.-t. Grackle	3 Blue Grosb. 2-B-A
12 Melod. Bbr.	10 Indigo B. ✓
35 Orchard Or. <sup>Coy</sup> <sub>Rd.</sub>	2 Painted B. ✓ B-A
10 Balt. Oriole	2 Yell.-p. Grosz. B-A
1 Bl.-cowl. Oriole <sup>B-A</sup>	60 Wh.-col. Seede. 6-B-A
1 Bl.-gr. Tan. HPA	5 Bl.-bl. Grosz. B-A
4 Yell.-wi. Tan. <sup>2-B-A</sup>	1 Dark-b. Gulg. B-A
4 Rusty Sp. <sup>3</sup> -B-A	8 Olive Sparrow. <sup>15</sup> -B-A
	20 Lincoln Sp. <sup>15</sup> -B-A

April 16, 1960 Sat. HPA to B-A

51,668.7 fair, partly cloudy - to clear  
 3:30-12M wind 10-25 SE decreasing  
 Temp.  $73^{\circ}$  B-A clouds coming up slope  
 moon waning maf. temp.  $86^{\circ}$  12M  
 Skies dissipated rapidly

lunch on  
Coyote Rd.

Worked down road 2 to Bos Awates  
and below about 2 miles to approx.  
100' a.s.l. Major stream at about  
200' has a rather steep gradient & may  
have falls below. Below D. Awates  
there are confined, a few banana plan-  
tations, pastures and considerable  
bushy areas, scrub forest & bamboo.  
There are patches of heavy, large tree forest  
about 2 miles beyond Bos Awates, and  
also on the slopes of some of the  
low hills. The higher hills adjacent  
to the main mountain ridge appear  
almost entirely forest covered. The  
road below Bos Awates goes  
north somewhat parallel to Barron  
Santacruzan and about a little  
over a mile away. The road appears  
to trend away from the bay toward  
La Palma. At B-A we had  
flashlights & walked up to within  
5 ft. of a Parrot. There were a

4:10 AM - 6:10

B-A to B. Amates to 100' a.s.l.

Seen here and below P. Amates many  
here calling out in the road. Heard  
howler roar once about 4:20 AM.

Heard low 3hoot out on slope  
E of B-A and two more at about  
800' elev. Westward from the road  
below P. Amates. Cut-Tan,  
+ 5pot-ler. Was seen to fly over the  
low dense woodland and scrub  
along road below the village.  
The forest in the coastal plain  
bordering Barron Lente amapa  
appears to be of a low nature but  
this may be illusion because  
observed from higher altitude. First  
part of Parrot call sounds like  
who-were! call heard at B-A.

1 Rufesc. Tin. 600'	7 T. Vulture
7 Oliv. Cormor. L. Cate	2 Sh.-sh. Hawk <i>slope</i> ✓
3 Green Heron	43 Br.-wi. Hawk " ✓
20 Snowy Egret	2 Roadside H. lawn on
30 Bl. Vulture	3 Gray Hawk " <i>slope</i>

slimvar wings  
tip Gr. B.H.

long tail, black

2 Rose. Bl.-Crane-Hawk 1 Rufous -T. H. 200'

1 Cr. Caracara 800' 2 Bar-T. Tropic <sup>300'</sup>

1 Aplomado Falcon <sup>over 800'</sup> 2 Violaceous Fr. 500'

4<sup>+</sup> Pt. Chachalaca 3 Bl. - cr. Motmot <sup>300'</sup>

2 Laugh. Gull <sup>L</sup> Cote 2 Keel-bi. Toucan <sup>600'</sup>

3 Short-bi. Pigeon <sup>400'</sup> 8 Gold- fr. Wags. etc.

1 Inca Dove HPA 1 Tawny -wir. Wood <sup>1200'</sup>

2 Low moaning Dove <sup>400'</sup> <sup>TA.A.</sup>

1 R.-Gr. Dove 700' 3 Dronghi. Wood. etc.

4 Wh.-tip. Dove <sup>3-600'</sup> 4 Ruf. bl. 5 Spintail <sup>6-900'</sup>

8 mind. parakeets <sup>800'</sup> 4 Banded Anhinga <sup>6-900'</sup>

3<sup>+</sup> Red-bord Parrot <sup>500'</sup> 2 Br.-r. Atlala <sup>4-500'</sup>

2 Gr.-bi. Ani HPA 5 Masked Tityra

3 mind. owls. (3 hoots) 3 Tropic. Knight <sup>800'</sup>

15 Parrot 1-8A 1 Piratic Flyc. <sup>700'</sup>

<sup>8-600'</sup> 1 Sulphur-bell. Flyc. <sup>low</sup>

5 Vamp's Swift -singe <sup>8</sup> 16 Boat-bi. Flyc.

20 Wh-coll. Sw. <sup>500'</sup> 4 Vermilion-cr. Flyc. <sup>100'</sup>

2 L.-t. Hermit War. etc. 5 Gr. Kiskadee scattered

1 Violet Sabre-w. 1 Br.-cr. Flyc. <sup>700'</sup>

1 Gr.-br. Mano <sup>1400</sup> 4 Wash-cap. Flyc. <sup>400'</sup>

3 Fork-t. Emerald <sup>1 HPA</sup> <sup>low</sup> mind. Flyc. 2 Least?

2 Gr.-br. Martin	800'	150 Bronzed Cowb.	H.P.A
7+ R.-w. Swallow	B-A	70 B.-t. Gr.	
6 Green Jay	4-600'	12 Melod. Blb. <sup>var</sup>	alt.
25 Brown Jay	(15) 3-800'	2 Bl.-gr. Tan.	100'
2 Band-t. W.	B-A	6 Yell.-wi. Tan.	3-500'
15 Spot-br. Wren	2-700'	1+ Red-cr. A.-T.	600'
6 Wh.-br. W. Wren	4-600'	1+ Red-thr. A.-T.	
10 Swainson's Thrush	300'	20	3-800'
	3-700'	may wind. A.-Tan.	
4 Yell.-gr. Vireo	300'	1 Gray-h. Tan.	T.N.A
4 Catbird	3-800'	4 Bl.-sp.-thr. Salt.	100'
1 Gr.-h. Greenlet	300'	2+ poss. Bl.-h. Salt.	800'
8 Red-e. Honeyc.	<sup>var.</sup>	1 Grizzlies Salt.	600'
2 Bl.-wh. W.	800'	4 Bl.-g. Gras.	1-1400'
3 Magnolia W.	3-500'	3 C. Cardinal	800'
1 Tennessee W.	✓ 400'	2 Rose-br. Grosb.	500'
4 Gr.-cr. Yellowtar.	<sup>below</sup> 900'	6 Indigo B.	6-800'
1 Yell.-br. Chat	✓ 200'	3 Painted B.	7-800'
7 Wilson's W.	<sup>var.</sup>	7 Yell.-g. Gr.	6-900'
2 Rufous-cap. W.	700'	35 Wh.-coll. Seed.	10-6800'
25 M. Arapahola	300-700'	3 Olive Sp.	5-900'
1 Yell.-wi. Cacique	600'	2 Rusty Sp.	700'
6 Giant Cowbird	500'	3 Lincoln Sp.	700'

I hark sq. about 800' last time  
To lowest alt.

HPA

April 17, 1960 Sun. B-A

Fair, warm, hazy temp.  $73^{\circ}$  - HPA

3:45 - 11:15 wind south 5-15

51,680.6 max. temp.  $89^{\circ}$  11:15 B-A

considerably more humid and some-  
what warmer the last two days.

$94^{\circ}$  at HPA this afternoon.

Worked road 1 with lights to trail  
A and up trail to about 1600 at  
junction of clearing trail. Warmer  
chance is considerable. Heard 2-3  
"shouter" owls, Paraguays and at  
lookout were treated to fine, wild  
calling (about 200 yds. away) by howler  
monkey. Full, low and loud roars -  
sounded every bit like the roars of  
a large cat. Again heard loud,  
rich whoo-who! calls from just below  
Road 1. Tried in vain to collect dove  
with low moan - saw them several  
times but they remain still until  
they fly - appear to be all white

they seem to feed in dense bamboo below with white tail tips. Also heard two note dove-like call from various places. Flushed twice a large rufous (8 1/2-9") long-tailed bird from trail A <sup>near Road</sup> may be a Rufous Pica. Collected one of two small doves just above trail A - ♀ Ruddy Quail-Dove - first for area & life. Also heard several doves giving Screech Owl-like call. Just as we were about to leave the car a Barn Owl ~~grew~~ in front of the car and perched in a tree in B-A.

1 Rufesc. Tinamou	3 Short-bi. Pigeon	<sup>14-1800</sup>
2 Green Heron HPA	3 Inca Dove HPA	
6 Snowy Egret L.Cate	2 R. Gr. Dove B-A	<sup>50</sup>
1 Bl.-ch. M. Heron B-A	- flying down slope	
90 Bl. Vulture	300	
6 T. Vulture	2 Wh.-tipped Dove	<sup>1500</sup>
2 Broad-w. Hawk <del>over</del> slope	2 Ruddy Quail-Dove	<sup>T.A.</sup>
6+ Pl. Chachalaca 1400	1 Barn Owl B-A	
1 Red-b. Pigeon 1400	3 "3 knot over" - Wood-Owl slope?	

At about 1800 feet off Trail A 3  
heard & then saw two yellow ~~yellow~~ <sup>orange</sup> monkeys  
as I was crouched near bamboo thickets looking  
They were about 20' from me & after a few minutes some  
Verreaux's

3-4 prob. Scrach Owl  
 5- HPA  
 9 Paroagae 4- Rd. 1 ~~1600~~  
 1 Choco-will ~~Paroagae~~ 5 Tr. A  
 6 Vang's Swift ~~orange~~  
 1 Long-t. Hermit 1600  
 1 Wh.-bell. Emerald 1500  
 2 Bar-t. Tropic <sup>B-A</sup>  $\uparrow$   
 3 Bl.-cr. Motmot  $\uparrow$   
 1 Keel-bi. Toucan 1500  
 1 Gold-olive Wpys. <sup>1500</sup>  
 3 Gold.-gr. Wpys.  
 1 Ivory-bi. Wpys. <sup>1500</sup>  
 1 ~~Red~~ Buff-thr. F.-Gr. <sup>1600</sup>  
 1 Br.-r. Attila 1500  
 2 Mashed Tityra  
 1 Boat-bi. Flyc. B-A  
 1 Gr.-cr. Flyc. <sup>1700</sup> ~~1700~~  
 5 Noddy-cap. Flyc. alt. <sup>var.</sup>  
 1 W. Wood Pewee B-A  
 1 Eye-ringed Flatbill <sup>Tr. A</sup>  
 6 R.-wing. Sw. B-A  
 2+ Green Jay <sup>15-1800</sup>  
 10+ Brown Jay <sup>1600</sup> ~~Amaz. area~~ first bird call at dawn.

2 5 pot - br. Wren  
 3 So. House Wren ~~Roads~~  
 6 Wh.-br. Wood Ws.  
 5 Wh.-thr. Robin <sup>1600</sup>  
 2 Clay-col. Robin  
 2 Yell.-gr. Vireo Rd. 1  
 2 Tawny-cr. Grankit <sup>1500</sup> Tr. A  
 1 Gray-th. Grankit  $\uparrow$   
 2 Red-b. Tongue  
 1 Bananaquit <sup>1600</sup> Tr. A  
 1 Yellow W. ~~HPA~~  
 1 Magnolia W. ~~HPA~~  
 1 Overbird Tr. A <sup>1500</sup>  
 1 La. Waterthr. ~~HPA~~  
 1 Wilson's Warbl.  $\uparrow$   
 1 Canada W. <sup>1500</sup> Tr. A  
 8 Gold-cr. Warbler alt.  
 1 Yell-bi. Cacique <sup>1600</sup> B-A  
 1500) 15 Br. Cowbird HPA  
 10 Boat-t. Gr.

5 Melod. Blb. <sup>HPA</sup>  
 first bird call at dawn.

30 B.F. 1960  
32 2nd

75

18 C.M.T.B.  
32 2nd

1 Balt. Oriole <sup>Tn.A</sup>? <sub>1600</sub>  
1 Bl.-crown. Oriole <sup>Rd. 1</sup> <sub>1500</sub>  
1 Bl.-gray Tan. HPA  
2 Red-thro. Ant-t. <sup>Tn.A</sup> <sub>1600</sub>  
3 Bl.-face. Grosbe. <sup>1500</sup> <sub>Rd. 1</sub>  
2 Yell.-face. Gr. B-A  
4 Wh.-coll. Seed. B-A  
2 Blue-bl. Gros. B-A  
2 Chestnut-eap. B-F. + Trail A

1 Lincoln's Sp. B-A

spent most of AM  
in dark on rd 1 +  
trail A and in  
woods on Trail A  
so list of species  
is shorter than  
normal.

April 18, 1960 Monday HPA - B-A

warm, humid, fair, partly cloudy  
51, 689.2 76° HPA

slight bar. rise. 1 in. 71° B-A  
at B-A clouds over slope down to 40' at  
times + moving fast on 10-25 mph. NE wind  
sprinkles of rain, increasing  
6:15 - 10 AM barometer  
continues  
to rise  
slightly to 40+ mph  
later heavy rain + as north  
comes in  
higher but complete  
cloud cover 67° B-A 10 AM  
late PM moderate rain at strong north  
HPA

Worked down road 1 to trail A +  
up trail A to about 1550' + return

Fresh winds, rain, heavy at times, and  
poor visibility made observation almost  
impossible. Few birds in song or visible.  
Heard howler roar once. Collected some  
tree and shrub specimens. Got quite  
wet doing it. Used shotgun to obtain  
some branches from large trees.  
Went into S. Andrie's T. for supplies,  
etc. Pressed plants. Saw a Tanra  
on a downed tree trunk and observed it  
very well as it walked along and dis-  
appeared among branches. - about 65 yds.  
away. Whole head and rump grayish-  
white.

1 Rufesc. Tinamou	2 Sparrow H. <sup>road</sup> to S.A.
2 Least Grebe L. Cat	4+ Pl. Chachalaca
2 Pied-b. Grebe }	8 Laughing G. <sup>L. Cat.</sup>
12 Oliv. Cormorant	65 Franklin's G. <sup>60+ ones</sup> <del>along</del>
1 Mag. Fr. Bird <sup>over</sup> B-A	1 Red-bi. Pigeon HPA
4 Green Heron HPA	1 Sh.-bi. Pigeon 1400
35 Snowy Egret L. Cat.	3 Inca Dove HPA
20 Bl. Vulture	4 R. Ground B!

76

2 Mourning Dove ✓ ♂♂	1 Catbird Rd. 1 1500'
6+ unid. parrots <sup>♂♂</sup> B-A	4 Wh.-bl. Wood Ws.
2 Gr.-bi. Ori. -S.A.	8 Wh.-thr. Robin Rd. 1
1 Violaceous Tr. 1500	2 Clay-col. Robin <sup>1-HPA</sup> 1-B-A
2 Bl.-cr. Motmot 1600	7 Yell.-gr. Vireo Rd. 1
2 Gold.-olive Wdgls. <sup>1500</sup> Rd. 1	1 Tawny-cr. Gr. Tr. A
1 Chestnut-co. Wdgls. <sup>1500</sup> Tr. A <sup>2000</sup>	1 Gray-h. Gr. /
1 Ivory-bi. Wdgls. B-A	1 Red-b. Honeyc.
1 Buff-thr. Fly. <sup>1500</sup> Rd. 1	1 Bananaquit Tr. A
1 Br.-rumped Attila scr. prob. S.-bell. Fly. <sup>1500</sup>	1 Golden-h. W. <sup>Rd. 1</sup> 1500'
4 Boat-bi. Fly. Rd. 1	3 Yell. Warbler ✓ HPA
1 Vermilion-cr. F. HPA	1 Magnolia W. ✓ HPA
3 Gr. Kiskadee <sup>3rd 6-A</sup> HPA	1 La. Waterthrush <sup>1400'</sup>
2 Drab-cyg. Fly. Rd. 1	1 ♂ Mourning W. Rd. 1
2 prob. Great Fly. HPA	2 Gr.-cr. Yellowtan B-A
1 Gray-h. Martin HPA	2 Wilson's W. ✓
8 Rough-wi. Sw. <sup>6-A</sup>	1 Am. Redstart HPA
2 Mangrove Sw. <sup>6 late</sup> HPA	4 Gold-cr. Warbler <sup>1600</sup> Tr. A
20 Brown Jay	1 Yell.-bi. Tanager <sup>1600</sup> B-A
1+ Band-t. Oriole B-A	300 Br. Cowbird <sup>S.A.T.</sup> Rd. 1
1 S-pot-bl. Wren	30 Boat-t. Gr.
	2 Melod. Blb. HPA
	2 Balt. Oriole <sup>Rd. 1</sup> 1500'
	5+ Bl.-gr. Tan. HPA

2 Red-ct. Ant-T. <del>Re</del> 1500	1 Dickcissel <sup>rusty</sup> HPA
1 Summer Tan <del>✓</del>	1 Wh.-coll. Seed.
3 Bl.-face. Grosb.	1 Bl.-bl. Groszg. <sup>nd. to</sup> S.A.
1 C. Cardinal <del>5</del> B-A	1 Dark-br. Goldg. B-A
2 Indigo B. <del>Re</del> 1500	1 Olive Sparrow B-A
3 Yell-face. Gr. B-A	2 Rusty Sparrow <sup>2 1/2 B-A</sup> <del>1/2 B-A</del>
	5 Lincoln's Sp. <sup>2 1/2 B-A</sup> <del>1/2 B-A</del>

April 19, 1960 Wed.

31, 719.9 6:15-

partly cloudy, fair temp. 68°F HPA  
clouds to north 66° - B-A

barometer steady after rise

wind NE 5-15 - HPA max. 74° B-A  
10AM

B-A - NE 15-30

clouds kept moving SE over higher peaks. Over areas fairly clear. Cumulus most of day - wind stayed fresh NE cooler, lower humidity. Worked up slope of Coro ~~Peak~~ & collected ♂ Gray-headed Dove, then solving.

purple of low, moaning coo. (1600')  
 Then worked from B-A up cerro on  
 east, then crossed and down to  
 Road 2. - Then worked into coffee  
 grove area & across little spring  
 stream and up ravine & hill where  
 I collected double note cooing dove -  
 English-b. Quail dove & <sup>then</sup> ~~then~~  
 solving that question. <sup>ba</sup> Cacique may  
 need that who were! note as  
 they were right where notes came  
 from on Cerro ~~2~~<sup>East</sup>. Harold worked  
 down road 1 to about 1300'. Wind  
 curtailed song hearing somewhat.  
 Worked rest of AM till 2:30 PM  
 on specimens, then packed to  
 leave in morning for isthmus. Pair  
 of Scrub Euphonias with nesting  
 material in coffee grove. Harold saw  
 Wh.-br. W. Wrens carrying nesting material  
 also. Also heard P. Dr., Q.J.D. on V.  
 S. Martin.

2 Rupesec. Tuiamore	1500	1 Ringed King, HPA
1 Pied-b. Grebe	Late	2 Bl.-cr. Motmot above B-A
5 Oliv. Cormorant		1 Keel-bi. Toucan 1500 Rd. 1
2 Green Heron	HPA	1 Golden-olive W. 1400
30 Snowy Egret	Late	3 Gold.-ge. Wdpbr. 2-3-A
20 Bl. Vulture		1 Olivaceous Woodcr. 1400
3 T. Vulture	over slope occasional	
1 Cr. Caracara	500 B-A	2 Ivory-bi. Woodcr. 1600 1400
4+ Pl. Chacabaca		2 Buff.-thr. F.-bl. 1600 Cen Rd. 1
440 <del>Franklin's Gulls</del>		2 groups over slope moving (350) (90) N
1 Inca Dove	HPA	1 Br.-r. Atlita 13-A
2 Gray-b. Dove	1600 Cen Snd	
4 Purple-st. Quail dove	1500 Cen Rd. 1	
2 Red-tord Parrot	- over Rd. 1	
2 mind. Parrot	over B-A	2 Masked Tityra 1500
1 Gr.-bi. Ori	HPA	2 Tropical King. 500 B-A
mind. Owl	3-4 foot - going large 15"?	
2 Paroquet	1-1400	1-HPA
2 Long-t. Hermit	1600 - Cen Snd	2 Sulphur-b. Flyc. 1600
1 Wh.-bell. Emerald	1400	2 Boat-bi. Flyc. 1-B-A
3 Bar-t. Tropic	1400 B-A	6 Drabey-cay. Flyc.
1 Violaceous Tropic		1 W. Wood Pewee B-A
		Sunny today

Caro. S.  
1600

1 Gr.-br. Martin HPA	2 Kentucky W. ✓ 1400 Rd. 2
8 Rough-w. Sw. G-B-A	20 Wilson's W. ✓
7 Barn Swallow ✓ (L. Cato.) HPA	2 Am. Redstart ✓
2+ Green Jay	7 Gold.-cr. W.
10 Brown Jay <sup>5 of</sup> ante	1 Rufous-cap. W. B-A
3 Band-t. Wren B-A	4 Yell.-bi. Canarie 1400 1600-BA
3 S. spot-br. Wren <sup>Rd. 2</sup>	100 Br. Cowbird -HPA
1 So. House Wren B-A	50 B.-t. Grackle
7 Wh.-br. Wood Ws.	5 Melod. Blb. 3-B-A
2+ Wh.-thr. Robin 14-1600	1 Balt. Oriole B-A
3 Clay-cd. Robin B-A	2 Scrub Euphonia 1400
6 Yell.-gr. Vireo	2 Yell.-thr. Euph. 1400
10 Red-b. Honeycs.	4 Bl.-gr. Tan. 2-B-A
1 Bananaquit 1400X	3 Yell.-wi. Tan. 2-B-A
2 Bl.+ Wh. Warbler <sup>Rd. 2</sup>	2 Red.-cr. Ant. T.
1 Worm-e. Warbler ✓	3 Buff-thr. Salt. 1400
1 Golden-w. W. ✓	4 Bl.-face. Grosbe. <sup>1400</sup> B-A
2 Magnolia W. ✓	1 Indigo Bunt. B-A
3 Cerulean W. ✓	4 Bl.-f. Grany. B-A
1 Blackburn. W. ✓	3+ Wh.-coll. Seede. B-A
1 Chestnut-e. W. ✓	2 Bl.-br. Grosbe. B-A
1 Nor. Waterthrush ✓	1 Chestnut-cap. B.-F. 1450 Rd. 2
	1 Olive S. 1400

2 Rusty Sparrow - B-A + Juvenile's 25 p. ✓ 25-B-A

April 20, 1960 Wednesday HPA - Tehuantepec

fair, clouds to N Heavy dew  
cool

6:00 - 7:00

51,728.6 64° HPA

wind N-NE slight

Catemaco no different in alt. than HPA.

Drove from Catemaco HPA to Acayucan, south over isthmus to Pan Amer. Hwy., south to Juchitan + then west on Pan Amer. to Tehuantepec, where stayed overnight. Wind shifted to southwest beyond continental divide. Fair, clear to hazy, Cu clouds. Since I crossed isthmus in 1952 there has been much clearing of forest - nowhere does virgin forest come to road edge or within several hundred yards. Maggie-Jay, first, 28 miles north of Pan. Amer.

1 Least Grebe L. Cate. 1 C. Black Hawk <sup>Dithamus (V. A.)</sup>  
 2 Pied-b. Grebe 1 Laughing Falcon <sup>(V. A.)</sup>  
 2 Oliv. Cormorant <sup>Datema striatula</sup> 1 Cr. Caracara  
 1 Green Heron - Datema 7 Sparrow Hawk <sup>✓</sup>  
 1 Little Bl. Heron 7 P. L. Chachalaca  
 1 Corn. Egret 1 A. Jacana - Datema  
 2+ Snowy Egret L. Cate. 7 Bar. Yellow. P. <sup>mp.</sup>  
 13 Lar. Icane <sup>✓</sup> 3 Solitary S. - Dat.  
 40 Ruddy Duck <sup>✓</sup> 1 Pectoral S. - Dat.  
 3 King Vulture <sup>(V. A.)</sup> 50 Wh.-w. Pigeon <sup>Dithamus</sup>  
 150 Beach Vulture 15 Java Dove  
 35 T. Vulture <sup>ms. Ver.</sup> 14 Mississippi Kite <sup>ms. Ver.</sup> 10 R. Ground Dove  
 1 Wh.-t. Kite <sup>ms. Ver.</sup> ~~ccoyote~~ 1 Snail Kite 5 Wh.-t. Ground Dove  
 3 Plumbeous Kite 10 Broad-w. Hawk <sup>(V. A.)</sup> 8 C. Ground Dove  
 1 Swainson's H. <sup>(V. A.)</sup> 10 Broad-w. Hawk <sup>(V. A.)</sup> 60 Mourning Dove  
 5 Roadside H. (V. A.) 3 Gray Hawk (V. A.) 6+ Orange-fronted Parrot.  
 3 Gray Hawk (V. A.) 1 Bay-w. H. ms. Parrot. + Datema Honey  
 1 Bay-w. H. ms. Parrot. + Datema Honey.

Laugh. G. 3 ✓ J. Cts.  
 Franklin's G. 90 <sup>spt</sup> L. cts.  
 1<sup>+</sup> Wh.-coll. Swift  
 1 Amazon King. <sup>Detr</sup>  
 12 Gold- fr. Wags.  
~~5 Red- Th. F. G.~~  
 2 Barred Antshrike <sup>Detr</sup>  
 1 Br.-r. Attila  
 8 Masked Tityra  
 4 Vermilion Fly. <sup>spt</sup> Turtled.  
 3 Fork-t. Flyc.  
 5 Scissor-t. Flyc. <sup>Detr</sup>  
 10 Tropical Kingb.  
 23 Piratic Flyc. <sup>Turtled.</sup> <sup>+ Detr</sup> (Ver.)  
 7 Boat-bi. Flyc.  
 7 Vermil.-cr. Flyc.  
 8 Gr. Kiskadee  
 2 Br.-cr. Flyc.  
 10 Rusty-cap. Flyc.  
 40 Gr.-bl. Martin  
 50 ~~60~~ R.-uni. Sw.  
 60 Barn Swallow  
 1 Mangrove Sw.  
 unid. Swallows 300

6-8' off. ground  
 slope dry forest  
 1 on nest  
 0 at.  
 10 Magpie-Jay  
 25 Brown Jay  
 8 Spot-br. Wren  
 5 C. Mockingbird  
 4 Clay-col. Robin  
 1 Loggerhd. Sh. <sup>nr.</sup> Tchouca  
 3 Yell. gr. Vireo  
 1<sup>+</sup> Red-br. Hornero.  
 1 Tennessee Warb. <sup>Detr.</sup>  
 2 Yell.- Warbler  
 1 Bl.-thr. Gr.W.  
 1 Nor. Waterthr <sup>spt</sup> Turtled.  
 1 C. Yellowthr.  
 2 Gr.-cr. Yellowthr.  
 2 Yell.-br. Chat <sup>Detr</sup>  
 4 House Sp. Tchouca  
 2 Yell.-br. Cacique  
 80<sup>+</sup> Br. Cowbird  
 45 Gt.-t. Grackle  
 25 Melod. Blb.  
 5 Balt. Oriole

10 Orchard Oriole	12 C. Cardinal <sup>♂</sup>
8 Bl.-thr. Oriole	15 Wh.-coll. Seade.
1 C. Meadowlark	1 <sup>+</sup> Bl.-bl. Grosbe.
2 Yell.-thr. Euphonia	9 Olive Sparrow
2 Bl.-gr. Tan.	5 Stripe -n. Sparrow <sup>inclusion</sup>
6 Yell.-av. Tan.	7 Lark Sparrow
4 Crimson-coll. Tan.	
1 Western Tan. <sup>Dark.</sup>	
1 <sup>+</sup> Buff.-thr. Salt.	
3 Grayish Salt.	
2 Bl.-head. Salt.	

April 21, 1960 Tehuantepec, Oax.  
Thurs.

fair, clear 78° 6:00 - 12 M

wind S

4 PM - 7 PM

51,936.2 Tehuantepec <sup>near  
milla  
NW of</sup>  
 90° in hotel room

Worked around town, to Salina  
 Cruz. + NW. arid areas, palm  
 dry river ocean front 89° - 90°  
 ocean breeze during day, dive at night

1 Brown Pelican Salina Cr.

70 Mag. Frigate-Bird

300 Black Vulture

35 T. Vulture

1 Roadside Hawk

5 Cr. Caracara

10 C. Bobwhite

1 L. b. Curlew

130 Long. Gull

5000 Franklin Gull

1 Least Tern

23 Royal Tern

60 Mourning Dove

Wh.-w. Dove - several thousand - flocks

70 Inca Dove

35 Com. Gr. Dove

50 Orange-b. Parakeet

5 White-l. Parrot

35 Gr.-bi. Ani

2 Ruf.-r. Gr. Larkoo - heard calling.

1 Lesser Road Runner

19 Lesser Nighthawk

1 Russet-cr. Motmot

12 Gold.-gr. W. Phoe.

2 Ladder-b. W. Phoe.

15 Scissor-t. Flyc.

60 Western Kingb.

10 Gr. Kiskadee

10 Pale-thr. Flyc.

1 W. Wood Pewee

migrating N from coast

6 Gray-br. Martin

1 Cliff Swallow

1 Bank Swallow

1 Tree Swallow

40 Magpie Jay

8 Ruf.-r. Wren

10 C. Mockingbird

2 Wh.-lond Grat.

1 Yellow W.

2 Yell.-wing, Couina

400<sup>+</sup>  
new, hundred

Boat-t. Grackle	2 Cinnamon-t. Sp.
50 Bl.-tar. Oriole	
10 Orange-br. Bunting	
25 Fork Sparrow	
15 Stripe-headed Sp.	

April 22, 1960 Tehuantepec-Oaxaca

Friday

51, 993.4 5:30-7:00 PM  
fair, clear 81° wind southw.  
humid 104° in open car 10-30 mph.  
gusto hot in places - thru arid  
mountains to 4000', then descent,  
then up to 6200' + down to Oaxaca  
at 5000' approx. A few streams  
with water - buncher vegetation,  
palms, etc. Many cacti thru  
most of mountains.

150 Black Vulture	1 Red-t. Hawk
90 T. Vulture	2 Broad-w. Hawk
1 Wh.-t. Hawk	3 Roadside H.

4 Gray Hawk	1 Vermilion Flyc.
2 Cr. Black Hawk	6 Scissor-t. Flyc.
10 Cr. Caracara	6 Western Kingb.
1 Sparrow Hawk	3 Tropical Kingb.
1 Spotted Sandp.	1 Sulphur-b. Flyc.
130 Mourning Dove	5 Gr. Kiskadee
75 Wh.-w. Dove	12 Pale-thr. Flyc.
15 Inca Dove	1 W. Wood Pewee
30 C. Ground Dove	3 N. Beardless Flyc.
6 Wh.-tgs. Dove	NAE on ground - <sup>road edge</sup> <sub>45°</sub>
25 Orange-gr. Parakeet	8 <sup>+</sup> Rough-wi. Sw.
25 Wh.-grated Parrot	4 C. Raven
1 Squirrel Cuckoo	50 Magpie-Jay
12 Groove-bi. Ani	2 Banded Titlance
6 Rufous-t. Gr. Cuckoo	20 Rufous-n. Wren
9 Lar. Nighthawk	1 Cactus Wren
5 Citroline Tropic	1 Banded Wren
1 Russet-cr. Motmot	1 Canyon Wren
25 Gold-gr. Wrybr.	2 Curve-bi. Thr.
(5) Pale-bi. Wrybr.	<del>Tropical Mocking</del>
1 Gray-bi. Wrybr.	5 C. Mockingbird
1 Black Phoebe	1 Swainson Thrush

5 Wh.-lond Grati.  
 6 Loggerhead Shrike  
 2 Grace's Warbler  
 1 C. Yellowtar.  
 1 Wilson's Warbler  
 1 Rufous-capp. W.  
 10 House Sparrow  
 1 Yell.-wing. Cuckoo  
 45 Bronzed Cowbird  
 30 Boat-t. Grackle  
 90 Black-tar. Oriole  
 1 C. Meadowlark ♂  
 1 Lincoln Sp.  
 24 Meadowlark ♂  
 25 Blue Grosbeak  
 2 Varied Bunting  
 25 Orange-br. Bunting  
 2 Dickcissel  
 10 House Finch  
 50 D.-br. Goldfinch  
 6 Brown Towhee  
 1 Vesper Sp.  
 25 Hark & Sparrow  
 8 Bridled Sparrow  
 25 Cinnamon-t. Sp.  
 120 Chipping Sp.  
 7 Clay-cub. Sp.

April 23, 1960 Saturday <sup>Ciudad</sup> Oaxaca to  
 cool, fair, clear - hazy <sup>off</sup> 11,900' on  
 6:15 - 8 PM slope of Popo.  
 52,164.1 hot, humid <sup>11,900'</sup>  
 63°<sup>F</sup> fresh breeze - 8:30  
 110° on floor in car 143°  
 44° at 7:30 - 12,200' on Popo

sleeping at 9 PM had to put  
stars out too with coat on

Beautiful pine & fir forests on  
steep 19 mile road up to volcano.

Saw several rabbits in road.

Slight rain squalls.

75 Bl. Vulture	R.-wing Sw. 100+
25 T. Vulture	30 Barn Swallow
3 Wh.-t. Hawk	10 Corn. Raven
2 Red-t. Hawk	1 Steller's Jay
10 Cr. Caracara	1 Wh.-br. Nuthatch
1 Sparrow Hawk	2 Rock Wren
2 Spotted Sandg.	+ <del>Caracara</del>
75 Mourning Dove	10 Curve-bi. Thr.
2 Wh.-wh. Dove	1 Corn. Mockingb.
25 Junc Dove	2 Gray Silly-Fig.
30 C. Gr. Dove	12Loggerhead Sh.
10 Gr.-bi. Ori	3 Yellow W.
25 Gold.-gr. Wdpn.	1 Audubon W.
1 Black Phoebe	1 Hermit W.
7 Vermilion Flyc.	1 Townsend W.
10 <sup>+</sup> Cassin's Kingbr.	1 Wilson's W.
2 Gr. Kiskadee	10 House Sparrow
3 Horned Lark	400 Br. Cowbird

5 Four-sh. 83

6 2400 ft. 100

5 M. vireo

1 C. Vireo

12 Western Y.

2 American B. 700

30 B.-tail. Grackle

2 C. Meadowlark

6 Bl.-thr. Oriole

3 W. Tanager

5 Red-w. Blb.

1 Bl.-h. Grosbeak

1 Vireo Bunt.

10+ Blue Grosbeak

35 House Finch

Wax-b. Grebe. 5

25 Brown Towhee

85 Lark Sparrow

120 Chipping Sp.

1 Yellow-eyed Junco

3 Clay-colored Sp.

April 24, 1960 Sunday V. Popo -  
to Mex. City

52,493.5 fm, pth cl, hazy  
min. 37° , 6 AM - 48°

6:00 AM - 3:45

showers (convectional) in valley + city  
Worked from camping spot 11,800'

up to Popo (51 amcas) and then north  
to slope of Ista at about 12,300'

Altho there are fine forests on west  
slopes, above 10,500-11,000' several  
thousand acres have been burned

recently, some pine, some grass areas. Also cows & horses have been allowed to graze in the saddle between the two peaks and on the high west slope - a sad sight indeed, all this destruction in a national park.

A reflection on the lack of proper controls and also the poor sense of values in Mexico in regard to such things.

Fine pine & fir forests below to about 9500' where grazing & farmlands begin. Peaks were partly cloud covered, more so as day advanced.

1 Sh.-sh. Hawk	3 Red-sh. Flicker
1 Red-t. Hawk	2 Brown-b. Wdgrs.
1 Sparrow H.	8 Violet-gr. Sw.
2 Wh.-eared Humm.	1 C. Raven
2 Blue-thr. " <sup>9800</sup>	4 Steller's Jay

6 Gray-s. Chickadee	10 Western Bluebird
5 Pygmy Nuthatch	3 <sup>+</sup> Golden-cr. Kinglet
1 Brown Creeper	1 Ruby-cr. Kinglet
1 Brown-thr. Wren	4 Crescent-ch. Warbler <sup>9800'</sup>
4 Amer. Robin	8 Olive Warbler
1 Br.-b. Solitaire	40 Audubon's Warbler
1 Hermit Thrush	8 Townsend's Warbler
4 Russet N.-Thr.	3 Hermit Warbler
4 Wilson's Warbler	7 Red Warbler
4 Slate-thr. Redstart	2 <del>two</del> C. Meadowlark
1 Bl.-h. Grosbe.	25 Pine Siskin
7 Rufous-s. Towhee	40 Striped Sparrow
	20 Yell-eyed Junco

April 25, <sup>1960</sup> Monday Mex. City  
6:30 - 10:00 - Chapultepec Park.

Shopping, sightseeing  
fair, cool, pte. cl.

15 <sup>+</sup> Bl.-cr. N.-Wren	1 White-eared Hummer.
1 Bl. Vulture	1 Ladder-b. Wdpkr. h
25 Junco Dove	4 Violet-gr. Swallow

10	Busait (Bl.-eared)	1 Virginia's Warbler
6	Bewick's Wren	1 Yellow Warbler
2	N. House Wren	12 Audubon's Warbler
1	Cañon Wren	1 Ovenbird
1	Curve-bi. Thrasher	1 Mac Gillivray's W.
20	Amer. Robin	5 Wilson's Warbler
10	Rufous-b. Robin	30 House Sparrow
1	Hermit Thr.	35 Bronzed Cowbird
1	Ruby-cr. Kinglet	3 Hepatic Tan.
6	Hutton's Vireo	10 Bl.-head. Grosbeak
1	Warbling Vireo	4 Indigo Bunting
1	Bl.+Wh. Warbler	20+ House Finch
6	Nashville W.	2 Bl.-headed Grosbeak
20	Chipping Sp.	6 Brown Towhee
		6 Lincoln Sparrow
		10 Song Sparrow

April 26, 1960 Tuesday May. Cty -  
 6:00 fair, cool Tamagwadale  
 52, 566.1 N-NW wind 10-20  
 62°

37

12

3

3

3

3

3

3

A fairly cool day & clearer than usual until we descended to below 4000'. Small (5" long & hard) live opossum along road - very cute. Also two thin & reddish brown snakes 3' apart, one dead, one we hit unavoidably (ducks). Gray-br. Wood-Wrens 25 mi. on road S. of Hgo-St.P. border in Par Am. D - 5200' about. Beautiful gorge & spectacular mts. view just north of above border at about 2000'. D on road. <sup>1 Bl.-t. Jackrabbit</sup> <sup>in Zuniagon</sup>

1 ad. <sup>7yo</sup> 8 Pied-br. Grebe <sup>mr.</sup> <sup>zuniagon, Hgo.</sup> 3 Goed-gr. Wlfgr.

Tur. Vulture 22

10 Mourn. Dove

12 Inca Dove

2 C. Ground-Dove

5 Wh.-Tig. Dove

10 mid. Hummer.

2 Emerald Tocoanet

1 Rose-thr. Bucor 5200'

30 Vermilion Fly.

1+ Cassin's King.

2 Vermil.-c. Fly.

1 Busby-c. Fly.

1 Olive-Dr. Fly.

1 Tufted Fly. 5000'

2 Horned Lark

15 Barn Swallow	2 Bl. + wh. Warbler
9 C. Raven <sup>ringed</sup>	1 Nashville W.
2 Brown Jay 1000'	1 Bl.-thr. Gr. W.
3 Gray-br. Jay	1 Gray-cr. Yellowth.
4 Cactus Wren	4 Wilson's W.
6 Spot-br. Wren	5 Gold.-br. Warbler
1 Bewick's Wren	60 House Sparrow
6 Gray-br. W.-Wren	30 Bronzed Cowbird
1 Canyon Wren	5 Boat-t. Grackle
6 C.-br. Thrasher	4 Scott's Oriole
4 Blue Mockingbird	<sup>2, edge</sup> 4-5000' (Santa Maria, Hidalgo.)
3 C. Mockingbird	1 C. Meadowlark
8 Br.-b. Solitaire	3 Yell.-iv. Tan.
1 Slate-col. Sol. <sup>3500'</sup>	4 Western Tan.
1 Hermit Thrush	4 C. Bush Tan.
5 R. Night-Thr.	2 Grayish Salt.
1 Ruby-cr. Kinglet	12 Blue Grosbeak
13 Gr. Silv.-Flyc.	1 Yell.-g. Grosbeak
8 Phainopepla	<sup>2000'</sup> House Finch
33Loggerhead Sh.	1 Wh.-col. Siskin
<del>Hutton's Vireo</del>	6 Bl.-h. Siskin

3 Ruz.-cap. Br.-F. 5000'	8 Hark Sparrow
1 Rufous-2. Towhee	1 Wh.-cr. Sparrow
60 Brown Towhee	2 Rusty Sparrow
2 Vesper Sp.	

April 27, 1960 Wed. Tomayuhchale  
 (Amista Chilla)  
 52,800.2 to

6:00 AM - 3:30 PM El Salto

79°, 'to shade at 1'

cloudy, mist, drizzle, then out  
 from under and gett. clea, hazy  
 and hot. - max. 99° in shade  
 wind S-SW 5-10+ at 3:30 PM - El Salto

2 Bat Falcons in fast, spectacular  
 flight with swifts above falls

2 L. Grebe R. after	1 Spotted Saly. <sup>El Salto</sup>
3 P.-b. Grebe	4 Red-bi. Pigeon
3 Oliv. Cormorant	60 Mourning Dove
2 Gray Hawk	1 Wh.-w. Dove
2 Cr. Caracara	2 Inca Dove
2 Bat Falcon	4 R. Gr.-Dove
12 Pl. Chachalaca	1 Gray-h. Dove <sup>stream N</sup> & Tawny

200 Black Vulture  
20 T. Vulture

5 Military Macaw	20 Fish Crow	1st 12 mi. S of Valles SLP
20 mind. Parakeets	25 Brown Jay	
8 " Parrots	2 Green Jay	
1 Squirrel Cuckoo	10 Spot-bred Wren	
6 Gr.-bi. Ori	2 C. Mockingbird	
200 Wh.-coll. Swift	6 Clay-col. Robin	
17 Gr.-br. Manj. - on nest	60 " Rio Arista	
1 Green King. - Rio	2 Wh.-e. Vireo	
3 Blue-cr. Motmot	7 Yell.-gr. Vireo	
3 Gold.-gr. Wdpbs.	1 Bl.+wh. Warbler	after
2 Barred Antshrike	1 Bl.-thr. Gr. W.	
6 Rose-thr. Becard - nest at 1st	near at Rio n. of Tamay.	
2 Marsh Tityra	1 Wilson's Wh.	
1 Black Phoebe	1 Gold-cr. Warbler	
3 Tropical King	4+ Br. Cowbird	
13 Piratic Flyc.	150 Boat-t. Gr.	
8 Boat-bi. Flyc.	35 Melod. Blb.	
35 Vermil.-cr. Flyc.	1 Balt. Oriole	
10 Gr. Kiskadee	1 Orchard Oriole	
3 Gr.-br. Martin	15 Bl.-thr. Oriole	
2 C. Raven	6 Yell.-wi. Tan.	

2 Red-thr. A.-T.	87	1 Blue-bl. Grosbeak
2+ Bl.-h. Saltator		6 Olive Sparrow
1 Com. Cardinal		1 Savannah Sp.
3 Varied Bunting		2 Lark Sp.
1 Yell.-g. Grosbeak		
4 Wh.-coll. Seedeater		

April 28, 1960 Thurs. El Salto  
 wind-E-SE. 76° <sup>somewhat</sup> ~~overcast~~ to Victoria  
 + 52,943.0 ~~1.89°~~ 5PM <sup>↗</sup> 2:00PM

6:00 - 9:15 - birded at falls  
 cloudy, showers, partial clearing,  
 then cloudy again, especially  
 through El Limon - El Narango  
 section - (Río Sabinas). High mts.  
 here are orographic barriers as road  
 cuts through range and there is no  
 obstruction to air flow from Gulf.  
 Found 1 1/2' + spring <sup>adult</sup> iguana. Road  
 (dirt) west to Some Faros leaves  
 highway about 30 miles N of Monte

1 Oliv. Cormorant	26 Grose-bi. Crni
1 <sup>+</sup> Green Heron	8 Lesser Nighthawk.
5 Muscovy Duck	50 <sup>+</sup> Wh.-coll. Swift
2 Blue-wt Teal	1 Fawn-br. Hum.
2 Roadside Hawk	3 Golden-gr. Wdp.
2 Cr. Caracara	3 Ladder-b. Wdp.
1 Bat Falcon	2 Masked Tityra
15 Black Vulture	1 Scissor-t. Fly. Vireo
7 T. Vulture	5 Tropical Kingb.
4 <sup>+</sup> Pl. Chachalaca	1 Piratic Fly.
1 E. Bobwhite	6 Boat-bi. Fly.
1 Spotted Sandg.	10 Vermil.-cr. Fly.
20 Red-bi. Pigeon	3 Gr. Kiskadee
50 Mourning Dove	5 <sup>+</sup> R.-wi. Swallow
175 Wh.-w. Dove	7 Raven <sup>almost</sup> 3 cert. W. mch
12 Inca Dove	75 Fish Crow
1 C. Ground-Dove	25 Brown Jay
3 Wh.-tip. Dove	2 Spot-br. Wdp.
80 Green Parakeet	2 Curve-bi. Thr.
15 Red-cr. Parrot	1 Loggerhead Sh.
5 Red-lored Parrot	3 Wh.-e. Vireo

10. Yell.-gr. Vireo	3 Yell.-thr. Euphonia	<sup>a.s.</sup>
1 Bl. + wh. W.	2 Yell.-wi. Tan.	
1 Trop. Parula W. <sup>Sp.</sup>	2 C. Cardinal	
25 House Sp.	2 Pyrrhuloxia	
30 Br. Cowbird	5 Blue Grosbeak	
60 Boat-t. Gr.	<sup>50</sup> Wh.-coll. Seedeater	
2 Brewer Bbl. <sup>Sp.</sup>	1 Savannah Sp.	
3 Bl.-headed Oriole	1 Grasshopper Sp. <sup>Victor</sup>	
15 Bl.-thr. Oriole	3 Roadrunners	
<u>2 Red-wi. Bbl.</u>		

April 29, 1960 Friday C. Victoria  
wind S-SE 15-30 to  
Harlingen

53,076.6 cool, cloudy 7.3°

6:00 - 8:30 clouds were in  
evidence most of morning. - more  
clearing & sun in PM. ~~at~~ Crossing  
to U.S. very single, little  
inspection on Amer. side, none  
on Mexican side. Dairy Queen,  
milk, ice cream - oh boy! <sup>Eloge</sup>  
many dead snakes on road side of Mat-  
amoros - Bull, Coral, Diamond-back, Rattlesnake

2 Oliv. Cormorant	1 Lss. Yellowlegs
12 Com. Egret	2 Gtr. Yellowlegs
10 Snowy Egret	1 Solitary Sandp.
2 Glossy Ibis	1 Spotted Sandp.
9 Mottled Duck	8 Laughing G.
6 Blue-w. Teal	10 Red-br. Pigeon
15 <sup>+</sup> C. Pintail	300 Mourning Dove
10 <sup>+</sup> A. Widgeon	600 <sup>+</sup> Wh.-w. Dove
2 No. Shoveler	20 Inca Dove
5 <sup>+</sup> Tsr. Scaups	3 C. Ground-Dove
50 small. ducks.	8 Green Parakeet
20 Bl. Vulture	4 small. parrots
45 T. Vulture	6 Gr.-br. Ani
1 Wh.-t. Hawk	11 Gtr. Roadrunner
2 Gray H.	10 Lsr. Nighthawk
5 Bay-w. Hawk	12 Gold.-g. Wldgs.
10 Cr. Caracara	1 Ladder-br. Wldgs.
3 Sparrow H.	30 Sc.-t. Flyc.
4 <sup>+</sup> Pl. Chachalaca	5 Trop. Kingb.
17 C. Bobwhite	2 Gr. Kiskadee
1 Killdeer	1 Br.-cr. Flyc.

10 Barn Sw.	4 Red-w. Blb.
35 Wh.-n. Raven	3 C. Meadowlark
100 Fish Crow	4 Pyrrhuloxia
20 Brown Jay	6 Blue Grosbeak
1 L.-li. Thrasher	8 <sup>+</sup> C. Cardinal
5 Curve-li. Thr.	1 <sup>+</sup> Varied Bunting
60 C. Mocking.	2 Dickcissel
100 Br. Cowbird	2 Olive Sparrow
150 B.-t. Grackle	1 Savanna S.p.
2 Orchard O.	15 <sup>+</sup> Hark Sparrow
12 Bl.-thr. O.	

April 30, 1960 Saturday Harlingen

76° 53,310

Houston, Tex.  
to

W. cloudy, warm, humid.

Wind S-SW 5-10 then NE 20-40

cloudy, heavy rain, (Cory's Christi),  
thunderstorms, showers, windy.

Clearing by 5 PM at Houston.

Assisted two large turtles across road

1 anago, one red-eared.

Blue-w. Teal	Olive Cormorant
Gadwall	1 Cliff Swallow
Am. Widgeon	sev. W. Gulls
17 Fulvous Tree-D.	3-4 mi. SW Bay City
2 Stilt S.	For. Nightjars
2 Bl.-n. Stilt	1 Ja. Heron
3 Long-bi. Curlew	Snowy Egrets
Gull-b. Tern	sev. Reddish Egrets
Least Tern	Common Egrets
Black Tern	sev? Bay-w. Hawks
1 R. Turnstone	
2 Wh.-r. Sandp.	
12 Turkey - King Ranch	
Semip. S.	
Least S.	
Wandering-va.	
sev. Black Skimmers	
Pyrrhuloxia	
1 Wh.-t. Hawk	

May 1, 1960 Sun. Houston <sup>Tet.</sup>

53, 691.1 to Little Rock,

cool, fair, clear Ark.  
wind 5-15 W-NW-NE (9 mi. SW)

57° remained cool & sunny  
all day 6:15-4:30

1 Pileated Wdpkr. 25+ dead  
sw. Wh.-eyed Vireos armadillo  
sw. Prothonotary Warblers many dead  
Possum on rd.

May 2, 1960 Mon. Little Rock

cool, cloudy (pte). to

54, 136.3 Clarksville, Tenn.

wind - N-NE

48°

6:15-4:15

May 3, 1960 Tues. Clarksville  
Tenn.

no wind 46° to

54, 494. Fair, cool Delaware  
6:15-5:00 clear Ohio

May 4, 1960 Wed Delaware,  
Ohio

Clear, fair, cool

To:

54, 919.2

Buffalo, N.Y.

49° 6:15-4:00

55, 290 - and

20 | Norta <sup>SE 91</sup>  
 20 | Rio de <sup>lava</sup>  
 20 | <sup>intra</sup> correct guide addres  
 20 | Huatlapapan gathering spot  
 25 | S. Rio de Copoapan

$$\underline{85} \times 3 = 255$$

tres dies

400 meters

Laguna Escondida 4 360



Sen. Andres Bipin

Segunda Aldaberto

Tejeda

San Andres Tuxtla,  
Ver., Mexico

313700 feet

5:30

1033 meter

V.S.M. 1764 meter - 5733

S.A.T. 360 meter / 550

ROBERT ANDRLE

~~156~~  
31500 8133  
12/68796

~~1764~~  
~~39~~  
15876  
6292  
68796

~~156~~  
17  
39

BAXEVAN DR. KHAROV D  
BAXEVAN DR. KHAROV D  
BAXEVAN DR. KHAROV D

BATIN V.S.M.

start on V.S.M.

Cambodz

50000 ft  
12/600,000  
+ X3

a. Court  
Cambodz

TEPE JILOTE 248.00  
210.20

Andes Bixin

falm on V.S.M.

92

New Bird Species  
for Life List in Mexico

March 7, 1960 →

- 1 Fawn-br. Hummingbird -
- 1 Violet Sabre-wing -
- 1 Collared Towhee -
- 4 Common Bush-Tanager -
- 3 Giant Cowbird -
- 2 Crimson-collared Tanager -
- 1 Golden-browed Warbler -
- 2 Slate-throated Redstart -
- 1 Brown-throated Warbler -
- 1 Pale-billed Woodpecker -
- 1 Amazon Kingfisher -
- 1 Black-cowled Oriole -
- 1 Bright-rumped Attila -
- 1 Bananaquit -
- 1 White Hawk -
- 1 Olivaceous Woodcreeper -
- 2 Slate-colored Solitaire -
- 1 Double-toothed Kite -
- 2 Bar-tailed Trogon -

- 1 Chestnut-colored Woodpecker -
- 1 Tawny-winged Woodpecker -
- 1 Bug-throated Foliage-Gleamer -
- 2 Band-backed Wren -
- 5 White-breasted Wood-Wren -
- 3 Gray-headed Tanager -
- 1 Chestnut-capped Brush-Finch (spurty)
- 1 Long-tailed Hermit -
- 1 Southern House Wren -
- 1 Golden-Olive Woodpecker -
- 1 Blue-Black Grosbeak -
- 1 Blue-Gray Tanager -
- 1 Rufous-tailed Hummingbird -
- 1 Blue Bunting -
- 1 Gray-headed Greenlet -
- 1 Yellow-bellied Tyrannulet -
- 1 Blue-hooded Euphonia -
- 1 Green Shrike-Vireo -
- 4 Rufous-breasted Spinetail -
- 3 Piratic Flycatcher -
- 2 Yellow-tailed Oriole -

4 Short-billed Pigeon -  
 1 Scaled Anteater -  
 1 Purplish-backed Quail-Dove -  
 1 Black-faced Antthrush -  
 1  
 4 Spot-crowned Woodcreeper -  
 5 Yellowish Flycatcher -  
 1 Eye-ringed Flatbill -  
 1+ White-bellied Emerald -  
 3+ Tawny-crowned Greenlet -  
 2 Ruddy Quail-Dove -  
 2 Gray-headed Dove -  
 14 Mississippi Kite -  
 • 5 Stripe-headed Sparrow - - )  
 8+ Bridled Sparrow - - )  
 3 Beardless Flycatcher -  
 at first 5 many years White-fronted Parrot -  
 6 Rufous-ringed Grand-Cuckoo -  
 2 Grace's Warbler -  
 2 Brown-barred Woodpecker -  
 1 Virginia's Warbler -  
 5+ Gray-br. Wood-Wren -

17 Fulvous Tree-Duck

16

Photographic RecordDate Kodakrome 16 mm

<u>Roll</u>	<u>Sequence</u>	<u>Subject &amp; Locality</u>
1 3/5	6-8 sec.	Lark Sparrows - 7 mi. Rockport
	10 sec.	Bl. vulture
3/6	30-45 sec.	Coyote in trap lag. Atascosa
3/6	10 sec.	Cranes "
3/6	20 sec.	Bl. Vulture "
3/6	25 sec.	Avocet - Corp. Tern "
3/7	10 sec.	Pyrrhuloxia s of Matam.
3/7	10 <sup>+</sup> sec.	Harris Hawk "
3/8	30 sec.	S. Madre Victoria
	30 sec.	Caracara s. "
2	25 sec.	Bl. Vulture El Encanto
		El Salto -
		" houses & palms
3/9		Xilitla Rd.
		Arriba R.
		S. Madre 30 mi. Agua de la
3/10		S. Madre s. of Jocote
Roll 3	inet de la Pacheca	"
		Rio Tula, Hgo.
		near Dominguez
3/11	R. 9	Bl. Vulture
		Trop. Kingbird
		Veracruz
		ca. 1931

Kod. 16mm

Roll + Date

Subject + Local.

3/13

forest + Kibodoe  
+ palms etc. n of Alvarado

Roadside Hail. " "

3/14

Cateraco - Lake

" Woman washing  
" lake

3/15

Oropeñoles + mt.

3/21

Giant Cormorant <sup>nr</sup>  
San Bl. Vult. - San maria

roll 4

3/21 - - woman washing - L. Cat.

3/23 Roll 5 - toucan sunrise on L. Cat.  
howler monkey mt.

3/23 - Roll 6

- Tropic, Santa. boy  
cut forest - <sup>1000</sup> <sup>2000</sup>  
flowers, large cutting ants

3/23 Roll 7 - R. ground dove

base area Bos. Amates

3/24 forest + Aftell 1700

log on burno

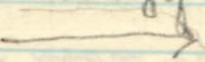
forest, large tree 1700 howlers

56

Kodach. 16 mm

3/24 Roll 8 1400 - large tree in forest  
clouds on mt. - Ceyenne Pt.

Bronzed Cowbird  
Oriental Scops Flycatcher  
Laughing Falcon.

3/27 Roll 9 Laughing Falcon  
red tree flowers & scene  
close up of other red flower  
very close up of  an overall  
HPA & grounds tree

3/28 - 2000' - view from govt WNW  
close up of snake

green lizard - large & small  
Roll 10 - flower with ~~the~~ banana  
leaves  
Verm.-cr. Fly & Orchard Oriole

1400 ft. Trail B - bamboo  
White Hawk  
Titmice

Roll 11 300 RF 1500' - NE base of Cerro

4/1 termite nest

L. Cate. - hide swimming  
Snowy Egret

4/2 1500' ~~ferous~~ ~~coffee plants~~ Spring Rd.  
1500 - trees - 2 tall - char. road

Roll 12 L. Cate - shore + herons  
+

4/3 - from B-A hawks  
white clouds

5 from B-A.

trouble - wasted several feet  
Sciss; tail Egret.

4/4 B-A + mts. to NW,  
view.

4/5 interior forest 1500' trail A

down - L. Cat NW + mts. to NW

4/6 Rapt sp.

~~the~~ Olive thr. Parado

4/6 Roll 13 - <sup>sign</sup> Sontec sign <sup>sign</sup> Parado  
+ south mts

96

Kod. 16 MM

Water

Subj. Local.

84/6

S. Andes - plaza, church  
road signs  
street  
market

4/7 White Hawk

4/7 view from B-A to NW - N + E

Roll 14 cornfield, destroyed forest  
car - B-A - to NE

Swainson's Hawks

view to S + SW of B-A

4/8 views on trail from S. Andes

Roll 15 of La Cima + vegetation +  
forest above + to

Roll 16 summit. Views of crater

from both peaks on S. Andes

Roll 17 views of mts on peak

4/9 - V.S.M. roll 17-22 (part)

4/10 "

4/12 - mid. hawk B-A

4/13 Roll 22 Kue-Ari Toucan  
Sts. Egc.

Roll 23 - Harped & green snake  
White Hawk

4/14 - Franklin's Gulls

4/15 - Wh.-t. Kite <sup>Clouds</sup>  
Grackle <sup>+ ridge</sup>

4/20 last view lake <sup>Turtle</sup> & mts.

Roll. 25

Miss. Kite

views on Istamz Rd.

Oaxaca - mts

coast plain

Roll 26. Tehuantepec

Apr. 21 27 Salina Cray.

Wagtail - Pyg

Frigate-Bird

Roll 28

Roll 29 Wh.-gr. Bone

Apr. 22 Racket - cr. Motmot

Oaxaca views

Oax. 23 Roll 30

" " "

Lb

Roll 30 - Wh.-t Hawk imm.  
Apr. 24. 31

Volcan Popo

etc. Spt.

Apr. 26 Roll 32

Pricky poppy Vermil. Fly  
Raven Cactus + mtns.  
nr. Zampon, Hgo.

Apr. 27 Roll 33 - Tannya. views  
flowers

Roll 34 Macaws  
Swifts

Apr. 28, 1860

Roll 35 - Stilt

Roadrunner  
White Dove

fl. 58.1801. 59.25 - 200

Kestrel + Marm

fl. 58.1833. 59.37 - 100

Kestrel + Marm

Socorro Ortega de Vargas  
Playa Azul  
Catemaco, Ver.

卷之三

卷之三

1996-1997 学年第一学期

66

Señor Andrés Bifir

Segunda Calle

Adalberto Tejeda

San Andrés

$$\begin{array}{r} 10 \\ 4 \\ \hline 40 \\ 33 \\ \hline 67 \\ 15 \quad 20 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 133 \\ .32 \\ \hline 266 \\ 399 \\ \hline 4256 \end{array}$$

$$\begin{array}{r} 3.20 \\ 35 \\ \hline 1600 \\ 960 \\ \hline 112.00 \end{array}$$

$$\begin{array}{r} 112 \\ 38 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 6.50 \\ 2.50 \\ 5.00 \\ \hline 15.00 \end{array}$$

15.

40.00 nite

43.00 gas

15.00 car

3.00 minas  
5.00 wings

106.00

35.00 - food

141.00

4.00 tump.

145.00

5.00 min.

150.00 - U.S

150.00 film

100.00 car

1400 - auto

20

1380

120 1350  
28 25  
117 100.00 100.00  
113.00 120.00 -0.2  
45.00 2.00  
19.00 142.00  
3.25 4.00  
111.00  
32.00 108.00  
2.00 2.00  
17.2 0.00  
4.20 0.00  
12.20 0.00  
10.00 0.00

200.00  
100.00  
100.00  
100.00

201	<u>Photographic Record</u>		
<u>Date</u>	<u>H. S. Ektachrome</u>		
<u>Roll</u>	<u>Frame</u>	<u>Locality + Subject</u>	
1 3/4	1	Swamp - Sabine R., Tex.	
"	2	"	"
3/6	3	Coyote Log, Atascosa	
"	4	"	"
"	5	Lab. Curlew	"
"	6	"	"
"	7	"	"
3/8	8	S. Madre O. Victoria	
3/8	9	Caribou sog "	
	10	"	"
	11	Roadside Hrd. n. of <sup>mesa</sup> <del>detto</del>	
	12	Bl. Mnt. Old Town	
3/9	13	Roadside H. - Valley	
	14.	view S. Madre <sup>30 mi</sup> of Jacala	
	15	s. of Jacala	"
	16	"	"
2/12	1	Hotel Balneario Ver.	
	2	Kishader - n. Alvarado	
	3	"	"
	4	Wh.-t. kite sog Alvar	

H.S. Estacionamiento - cont.

3/15 - *Oroptilus neotis*  
Giant Coulibe

3/16 - H.P.A.-bungalow *Coyome*  
- Antell & termite nest  
1700' <sup>1 mi.</sup> NW of base area

3/17 Leaf cutting ants

3/18

3/19 - Road to Sonzacapan  
about 1400' - clouds, rain  
- 1500' - filled forest, mt. forest  
& clouds

3/20 1 B Mts + clouds during "Nor'easter"  
from south - mid. B-A  
1 of B-A from S  
1 of Sonzac. rd & veg. - fog. 1400'  
Bl. Vulture

3/21 V. S. M  
Bl. Vulture

101

H.S. E.K.Roll 33/21 : Gt. t. Grackle  
    1 Ori

3/22 2200' - forest howler slope  
 bay - Santarem  
 - filled + destroyed forest  
 log-cutting auto  
 Cotinga  
 Condor  
 termite nest + fig  
 cohcha palm

3/24 Large tree 1400'

3/25 ~~Roll 4~~ - 2 1500 - wine + forest  
 howler monkey

flowering plant - 1400 + tree 1500

3/25 Roll 4 - bromeliad on tree 1600  
 1 wasted

3/26 Fer-de-Lance 500'  
 Vio. ~~Salpamin~~ + 100'  
 La Palma Rd.

Roll 5 - basaltic  
 snake close up

Roll 5 1000' Aftell crossing stream

3/29 1400' Trail B - bamboo

3/30 2000' - clouds & forest

1900' - self picture

1800' - aftell in forest

R. Ga. Dove - B-A

3/31 1300' vine & leaves on tree

4/2 Roll 6 coffee tree Spring Trail  
1500'

L. Cat.

Coot & L. Grebe

L. Blue Heron

Grackles & veget.

Ring. Kingz.

Common Tern

Snowy Egret } flight

4/3 - L. Cat. & norte - from B-A

4/4 Roll 6 Sc. Tail Eg.

Coyote - J. Cat.

Wh-t. Kite

Br. Jay

201

H.S. EKta.

4/4

4/6 Roll 6 Fam-Br. Hummer. 3

Santacruz rd. sign

4/6 San Andres rd. sign

4/7

B-A - car + to NE

views from B-A to W, NW, N + NE

4/8

views of S. Andres

borders on trail

guide + Horses

La Cociña, trail views.

above to 5300'

Roll 7 - Views of all of vs on peaks  
+ of vegetation.

Roll 8, 9 Also of east rim, + crater 3

4/9 Roll 9

4/10 10, 11 - V. S. M.

4/20 - Gray Hare

Mo. Kite + views on Sistancas

4/21 - Tehuantepec, Salina Cruz.

Roll 12<sup>13</sup> - Fright bird

Roll 12, 13  
4/22-23

Oafous views  
Gray Silly Figs.

4/24

Popo + Dita views  
camping place  
forest

4/26

- cactus + mts  
nr. Zinogow



1 jacket

3 shirts

5 handker.

3 pants

5 t shirts

4 undershirts

14 7 pr. socks

35 pieces + bag

Franklin -  
H. S. -  
H. S. -

101

Photographic RecordDate  
Roll

Frame

Plus X Pan

Subject + Locality

1/26 1 Coyote Log. Atacama  
" 2 " "

3/20 1 of mts. & B-A from S in  
" Norte".

3/21 1 Bl. Vultures  
1 feeding  
1 - "

3/22 2000' veg forest  
holler slope strangler  
big of Santucanya fig  
Termite nest

3/25 several of holler monkey  
1 of vines & forest - 1500

3/26 500' & 100' vines  
La Palma Rd  
wasted two

3/29 1400' Trail B - bamboo



3/30 - Jones turn forest 2000'  
Aptel + forest 1800

4/2 1500 Sp. Tr. - coffee + forest

4/3 L. Cat. + note from B-A

4/7 view W NW N + E from B-A

### Roll 2

4/8 La Coima,  
veget. + forest above  
view of mts + guides  
of cloth + feathers seen

4/9 - V. SM

4/10 - " Roll 3